

MISSOURI SOLID WASTE MANAGEMENT DISTRICT "O"
ANNUAL REPORT
Fiscal Year 2008-2009

Prepared by: Robert C. Hamilton, District Planner

District "O" Service Region and Membership

The District "O" service region consists of Christian, Dallas, Greene, Polk, and Webster counties in Southwest Missouri. The District has a 2000 Census population of 368,374 and covers an area of 3,015 square miles.

The District has twenty-two incorporated cities with a population of over 500. Those cities are: Ash Grove, Battlefield, Billings, Bolivar, Buffalo, Clever, Fair Grove, Fremont Hills, Fordland, Highlandville, Humansville, Marshfield, Nixa, Ozark, Republic, Rogersville, Seymour, Sparta, Springfield, Strafford, Walnut Grove, and Willard. Twenty cities and the five counties within the service region are District "O" members. The population of the two remaining cities, Fremont Hills and Highlandville, increased to over 500 in the last census and they have not yet joined. District "O" charges no membership fees.

Formation and Funding of District

Missouri Solid Waste Management Region District "O" was officially recognized by the Missouri Department of Natural Resources (DNR) in May 1992. In July and August of that year the District received two checks from DNR totaling \$90,000.00. This was in accordance with Missouri Rule 10CSR 80-9:010 which is the Rule for Planning and Organization Grants from the DNR Solid Waste Management Fund. This was the initial funding for the District. Since that time District "O" applied for, and received, DNR Administrative Grants of \$20,000.00 each year through 2004, which was the maximum allowed. Beginning in 2000 District "O" began to receive "Plan Implementation Grants" to supplement the \$20,000.00 Administrative Grants.

The total of the 1992 Planning and Organization Grants, the ten Administrative Grants received through 2004, the 2000 through 2004 Plan Implementation Grants, and the four Operations Grants from 2005 through June 30, 2009 is \$631,953.00. This is the total amount of funds District "O" has received for administration and plan implementation since the inception of the district. This is 23.73% of the total funds received from DNR. The remaining 76.27% (\$2,030,665.00) has been awarded as District Grants.

Comprehensive Solid Waste Management Plan

In November 1992 District "O" contracted with Michael Duffy to develop the District "O" Comprehensive Solid Waste Management Plan. The Plan was completed and submitted to DNR in November 1993. Each District "O" member has a copy of the Plan and additional copies are available through District "O". In 1996 DNR decreed that each Solid Waste District construct a District Wide Solid Waste Assessment every two years. This assessment also serves as an update for the Comprehensive Solid Waste Management Plan.

Structure of District Executive Board

District "O" is governed by an Executive Board whose composition and duties are defined in the District "O" Rules of Procedure which were adopted April 27, 1993, and last modified May 18, 2007.

A copy of the District "O" Rules of Procedure is attached. Greene County, because of its population, is represented by two board members, and the remaining four counties each have one board member. In 1996, the City of Springfield joined District "O" and has two representatives on the board. The Executive Board's present members and alternates are:

Officers:

Chairperson: Timothy Smith, Greene County
Vice Chair: David Coonrod, Greene County
Secretary: Vacant. District "O" Associate Planner Ronda Gulley serves as the Board Secretary Ex-Officio.
Treasurer: Barbara Lucks, City of Springfield

Board Members:

Alternates:

Christian County

Presiding Commissioner John Grubaugh

Associate Commissioner Tom Huff
Associate Commissioner Bill Barnett

Dallas County

Presiding Commissioner Harold Morgans

Associate Commissioner Kenneth Bacon
Associate Commissioner Frank Rice

Greene County

Presiding Commissioner Dave Coonrod
Board Chairman Timothy Smith

Associate Commissioner Harold Bengsch
Associate Commissioner Roseann Bentley

Polk County

Presiding Commissioner Denzil Roberts

Associate Commissioner Billy Dryer
Donnie Lipe

Webster County

Presiding Commissioner Paul Ipock

Associate Commissioner Billy Cunningham
Associate Commissioner Denzil Young

City of Springfield

City Council Member Scott Bailes
City Council Member Dan Chiles

Barbara Lucks

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Staffing:

Current District "O" staff:

Robert Hamilton, Planner
Ronda Gulley, Associate Planner

The Executive Board meets monthly. The Board has developed a Mission Statement and a set of Goals. Each year, Program Objectives are set for each Goal. An Annual Report is prepared by staff and presented to the Executive Board each year. The District also prepares a Line Item Budget each year, which is submitted to the Executive Board for approval.

The Mission Statement, Goals, and Fiscal Year 2008-2009 Objectives (Attachment A), and the FY 2008/2009 Line Item Budget (Attachment B) are attached to this report.

Greene County and the City of Springfield's Contributions to District "O"

Greene County. Jim Bresee, Greene County Director of Resource Management, served as the Chairperson of District "O" from the District's formation in 1992 until he retired in June 2000. Timothy Smith, the current Director of Greene County Resource Management has served as the District Chairperson since June 2000. Both Mr. Bresee and Mr. Smith have devoted many hours to District "O" including attending monthly Missouri Solid Waste Advisory Board (SWAB) meetings in Jefferson City, preparing the agenda and chairing monthly Executive Board meetings, supervising staff, and overseeing all District "O" programs and services. Greene County also provides the District office space at no cost to the District.

City of Springfield. Springfield has provided, and continues to provide valuable support in many areas including procuring markets for collected material, educational programs, hazardous waste projects, and technical expertise in solid waste management and reduction.

DISTRICT GRANT PROGRAM

One of District "O"'s primary services is the District Grant Program. Each Waste District is given an annual appropriation for District Grants. From the inception of the solid waste districts through August 27, 2005 each district's annual appropriation was based 100% on a percentage of Tipping Fees collected at landfills, or Transfer Stations for Solid Waste exported to other states, with a minimum appropriation of \$45,000.00. District "O's" appropriation was determined by tipping fees collected at the Springfield Landfill.

Senate Bill 225, which was signed into law July 2005, changed this formula effective August 28 2005. The formula is now based upon Tipping Fees collected in the district (60%) and District Population (40%) Since 1996 this has increased District "O's" annual appropriation by approximately 90%.

Earlier in 2009 the City of Springfield entered into an agreement with the District's two largest waste haulers which will significantly increase our annual appropriation beginning next year.

DNR now reports each district's appropriation on a quarterly basis instead of annually. If districts desire they may hold more than one grant call per year. The District "O" Executive Board voted unanimously to continue with one grant call per year. District "O" appropriation for 2009 Grants, including our Operations Grant, was \$284,100.83. This figure was made up of the following:

DNR Appropriations:	
2 nd Quarter 2008:	67486.00
3 rd Quarter 2008:	59,923.00
4 th Quarter 2008:	59,201.00
1 st Quarter 2009:	78,074.00
Balance from closed and cancelled grants:	15,598.61
Interest income:	3,818.22

Total Available Funds: \$284,100.83

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Funds Awarded to District "O":

Year	Appropriation	Number of Grants Funded
1994	\$309,552.00	5
1995	41,746.00	3
1996	148,041.00	2
1997	103,625.00	4
1998	91,482.00	7
1999	64,978.00	5
2000	72,440.00	6
2001	80,934.00	7
2002	93,700.00	3
2003	89,998.00	7
2004	132,932.00	6
2005	124,959.00	6
2006	186,783.00	11
2007	342,462.53	15
2008	304,391.14	11
2009	284,100.83	12
Totals: \$2,471,525.40		99

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Since 1994 District "O" has awarded 99 grants totaling \$2,471,525.40. This figure is greater than the district total appropriation because it includes funds which were awarded for cancelled projects, funds left over from completed projects, and interest income, which were again awarded for district grants.

The average grant award for this period is \$24,964.90

2009 District Grants:

February 24, 2009 the District "O" Executive Board approved the following 12 District Grants. These grant programs are in the early stage of implementation.

O2009-01 District "O" Operations Grant.	\$105,978.00
O2009-02 Black Oak Organics, Springfield, food waste composting.	22,595.00
O2009-03 City of Rogersville, Glassphalt paving of recycling center lot.	9,230.00
O2009-04 City of Springfield, two roll off recycling containers.	14,800.00
O2009-05 Computer Recycling Center, Springfield. Educational mailing.	2,960.00
O2009-06 Computer Recycling Center, Springfield, Styrofoam shredder.	8,950.00
O2009-07 Cox Medical Center, Springfield, recycling containers.	10,123.00
O2009-08 Greene County, Springfield, pilot government office recycling program.	1,887.35
O2009-09 Greenway Recycling, Fordland, newspaper compactor.	24,782.28
O2009-10 Habitat for Humanity, Springfield, box truck for recycling collections.	37,137.35
O2009-11 Missouri State University, Springfield, recycling containers.	13,137.85
O2009-12 Urban Districts Alliance, Springfield, glass recycling.	32,520.00

Total Funds Awarded: \$284,100.83

1994 to 2009 District Grants were awarded for the following:

Year	City/County Recycling	Hazardous Waste	Private Recycling Processing	Business Waste Reduction	Education	Dist. Ops.
1994	\$60,700.00	0	\$173,752.00	\$63,000.00	\$12,100.00	0
1995	40,500.00	0	0	1,246.26	0	0
1996	0	0	88,760.74	59,280.00	0	0
1997	103,625.00	0	0	0	0	0
1998	90,212.00	0	0	1,269.60	0	0
1999	55,674.00	0	0	0	9,304.24	0
2000	41,600.00	0	0	0	840.00	20,000.00
2001	41,770.00	0	31,000.00	0	11,500.00	25,000.00
2002	26,790.00	40,450.00	0	0	0	28,000.00
2003	31,235.00	0	43,597.00	0	0	31,400.00
2004	39,169.00	39,000.00	19,000.00	0	0	35,763.00
2005	0	26,000.00	9,825.00	0	12,800.00	*55,560.00
2006	90,688.67	0	36,063.42	0	6,100.00	74,645
2007	87,741.21	26,000.00	139,215.56	17,922.76	0	71,585.00
2008	51,142.80	0	155,164.34	0	0	98,084.00
2009	25,917.35	0	149,245.48	0	2,960.00	105,978.00
Totals:	\$786,765.03	\$131,450.00	\$845,623.54	\$142,718.62	\$55,604.24	\$546,015.00
Percentage:	31.83%	5.32%	34.21%	5.77%	2.25%	22.10%

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City/County Recycling Grants.

The City and County Recycling Grants represent 31.83% of District "O" Grants and have proven very successful. Thirteen Community Recycling Drop-Off Centers and five mobile recycling drop-off centers were established with District "O" Grants. All are currently in operation. Those centers, and the grants which established, them are:

Christian County. Ozark Center and five mobile recycling centers. Four grants totaling \$60,900.00. Center opened and mobile centers became operational in 1997.

Fair Grove. Fair Grove Recycling Center. \$18,500.00 Grant. Opened in 1998.

Polk County. Bolivar and Humansville Centers. Five grants totaling \$102,322.00. Bolivar opened in 1998, Humansville in 2000.

City of Republic. Republic Recycling Center. Two grants totaling \$40,569.00. Opened in 2005.

City of Rogersville. Received three grants totaling \$39,300. Opened in 2007.

City of Strafford. Strafford Recycling Center. \$12,000.00 Grant. Opened in 1999.

Webster County. Marshfield and Seymour Centers. Five grants totaling \$133,494.67. Marshfield and Seymour opened in 1996.

City of Willard. Willard Recycling Center. Two grants totaling \$37,890.00

Springfield, Central Street Recycling Coalition, operated by Drury University. \$11,698.00 grant in 2008 to establish a recycling drop-off center in the central Springfield area.

Missouri State University, Springfield. Two grants; \$17,309.86 in 2008 and \$13,137.85 in 2009 for campus, dormitory, and special event recycling.

Cox Health Care, Springfield. A \$10,137.85 to funds recycling programs at both Cox North and Cox South hospitals.

All the above listed recycling centers used District Grants as start up money and District "O" provided technical support in system design, equipment specifications and procurement, staffing, and grant management. The centers are now operated by the city or county. Additionally, recycling center operations in three other District "O" cities, while not started with District "O" Grants, have been supported with grants and technical support. Those are:

City of Springfield Recycling Centers and Household Chemical Collection Center. Four grants totaling \$68,281.00.

City of Buffalo Recycling Center. Two grants totaling \$27,400.00. This recycling center is operated jointly by Buffalo and Dallas County.

City of Nixa Recycling Center. Two grants totaling \$75,820.00.

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With the exception of Webster County, which, as described on the previous page, could not meet one objective and released the funds budgeted for it, all the above District Grant recipients fully met all objectives listed in their District Grant Applications.

City/County Yard Waste Grants

Yard Waste management grants have not been a high priority with District "O". However, state law banning yard waste from landfills has placed the burden for managing this waste directly on cities and counties. District "O" has funded Yard Waste Management Grants totaling \$56,574.00. Those are:

Nixa Composting Facility. 1998 \$26,700.00 grant.
Marshfield. Wood Chipper purchase. 1999 \$19,674.00 grant.
Seymour. Wood Chipper purchase. 2000 \$10,200.00 grant.

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In 2006 the District "O" Executive Board established a policy that each year the board would establish a maximum amount of grant funds that could be awarded to yard waste grants. The policy also requires a 50% cash match for each yard waste grant. No funds were earmarked for yard waste grants for the 2009 district grant cycle.

Private Recycling Processor Grants.

Private Recycling Processor Grants have shown the largest percentage of growth of any category of District Grant. Initially the district's main emphasis was on City/County Recycling Centers to reach the objective of all District "O" residents having access to a recycling drop-off center within 20 miles. From the inception of the district through 1996 City/County Recycling center were awarded 37.69% of district grant funds, and Private Recycling Processors 28.74%. The past three years Recycling Processors have received \$443,626.00, or 61.28% of District "O" Grants. The reason is that we are placing more emphasis on developing and maintaining markets for collected material. District Grants for Private Recycling and Recycled Material Processing have been awarded to six recycling processors:

Computer Recycling Center. Located in Springfield the Computer Recycling Center is the largest electronics waste recycling processor in Missouri and have received ten District Grants. Those are; a 2004 grant of 19,000 to purchase a van for mobile collections, two 2005 grants totaling \$20,744 for a fork lift and a commercial scale, two 2006 grants for fans, pallet jacks, and an educational mailing totaling 6,263.42, three 2007 grants for a shredder, conveyer, and educational mailings totaling 52,374.53, and two 2009 grants for a Styrofoam shredder and an educational program, totaling \$11,910.

Fiber Management. A full service recycling processor located in Republic. Fiber Management has received a 2007 grant of \$46,294.45 to partially fund the purchase of a large commercial shredder to reduce the volume and shipping costs of low grade recyclable material, and a 2008 grant of \$30,000.00 for office paper recycling.

Greenway Recycling (formerly Green Country Recycling). Greenway Recycling is a large recycling processor with sites located in Fordland and Springfield. Greenway presently processes and markets more than 35,000 tons of recyclable material per year, for additional information see the "Recycling Processors" later in this report. Greenway received a 1994 District Grant of \$75,000 for a baler and a

roll off truck. As described on page seven, in 1998 they were awarded the baler which had been purchased by Lites in Motion. In 2003 Greenway was awarded an \$18,780.00 Grant to partially fund a new small business recycled office paper collection program. Additional grants for office paper and cardboard recycling totaling \$25,280 were award in 2006 and 2007.

Meredith Recycling. Received a 2005 District Grant to purchase containers for a new appliance recycling project in Polk County.

Nestle Purina PetCare: Nestle Purina PetCare, formerly CanBrands, makes cat litter from recycled paper. They use most types of paper and it does not have to be sorted. They received a 2003 Grant of \$14,897.00 and a 2007 Grant of \$19,500.00. Both were used to purchase large recycling containers to be placed at recycling centers in District "O."

Lites in Motion. District Grants of \$98,752.00 in 1994 and \$88,760.74 in 1996 were awarded to Lites in Motion, Bolivar. This is the most grant funds awarded to one recipient. Lites in Motion was an ambitious recycling drop-off, curbside pick up, and processing operation serving Polk County, which had no other recycling facilities at that time. The operation was started by Baker Management, a non profit corporation in Bolivar, which specializes in residential health care. The \$187,512.74 was for equipment including a bailer, two trucks, and a skid loader.

On September 01, 1997, after two years of full operation, Lites in Motion ceased operation. District "O" still had a security interest in the horizontal baler, two trucks, and a skid loader as all were purchased with District Grant funds. The district took possession of the equipment on September 01.

The two trucks were advertised, sealed bids were requested, and were sold to the highest bidder. The proceeds were added to the District "O" 1998 District Grant Appropriation. The horizontal baler was awarded as a 1998 District Grant to Greenway Recycling, Fordland, and is still in service there. The skid loader was awarded to the City of Springfield as a 1998 District Grant. In 2000 Springfield stated the skid loader did not meet their needs and returned it to District "O". The District's security interest had expired and the Executive Board voted to give it to the Bolivar Recycling Center.

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Business Waste Reduction Grants

District "O" has awarded three Business Waste Reduction Grants:

Dan's Diaper Service. Received a 1994 Grant of \$63,000.00 and a 1996 Grant of \$59,280.00 for a total of \$122,280.00, which is the second largest amount awarded to one applicant. Dan's Diaper Service was located in Republic. They operated a reusable cloth diaper service, much like the services which were very common before the advent of disposable diapers. They diverted many tons of disposable diapers from the landfill. However in 1998 they introduced a "biodegradable disposable diaper" which they marketed to their clients for use when traveling. Later that year they moved the business to Marionville which is in Solid Waste District N. They are still in business and both grants are closed.

Mail Boxes Etc. Received a 1995 \$1,246.26 grant for recycling Styrofoam. Grant was for a machine which makes Styrofoam shipping "peanuts" from scrap Styrofoam.

Pac'N'Mail. Received a 1998 \$1,690.60 for a Styrofoam recycling project similar to Mail Boxes Etc. The business was sold in 1998 and for awhile the machine was no longer in use. Unknown if it is presently in use.

Waste Reduction Education Grants.

District "O" has awarded four District Grants for Public Education Programs. :

Springfield/Greene County Health Department. Awarded \$12,100.00 in 1994 for computer equipment used to create a waste reduction manual and teaching curriculum. These items are currently available.

Discovery Center of Springfield. Awarded \$9,304.24 in 1999, \$11,500.00 in 2001, \$12,800 in 2005, and \$5,342.00 in 2007 to fund environmental exhibits for school children at the center. These exhibits are available to all visitors at the center.

Choose Environmental Excellence. Awarded \$840.00 in 2000 to construct a standing environmental display to be used at conferences and other public events, and 1,9024.00 for special events recycling.

RECYCLING PROCESSORS

District "O" has six major processors for material collected at District "O" recycling centers.

Commercial Metals. A large scrap metal recycler. In addition to their commercial customers they will accept metal from individuals and from community recycling drop-off centers.

Fiber Management. A full service recycling processor located in Republic. Fiber Management leases property to the City of Republic for the City's Recycling Drop-Center for \$1.00 per year. Fiber Management also staffs the center five days per week for no charge. They also provide educational programs to Republic Schools.

Greenway Recycling, Fordland and Springfield. A full service Recycling Process Center and Broker with large facilities in Fordland and Springfield. Greenway does not offer residential pick up services. It accepts Aluminum Cans, Tin Cans, #1 and #2 Plastic (soda bottles and milk jugs only), Corrugated Cardboard, Newspaper, Magazines, and Mixed Paper. Greenway pays for most items. Strafford, Christian County, and Buffalo take their material to Greenway.

Midwest Fibre Sales Corp. Springfield. Collects and processes corrugated cardboard. Picks up at Springfield Recycling Centers and services commercial accounts.

Nestle Purina PetCare. Springfield Manufactures cat litter from newspaper, other fiber, and sawdust. Will accept a mix of newspaper, magazines, phone, books, and mixed paper. Material does not have to be sorted. Currently provides and services Roll Off boxes for Ash Grove, Bolivar, Christian County, Fair Grove, Humansville, Springfield, Marshfield, Seymour, Strafford, and Willard recycling centers. They also provide educational programs in District "O." schools.

RECYCLING FACILITIES

District "O" presently has the following Recycling Drop-Centers. Except where noted, all accept

Aluminum Cans, Tin Cans, Milk Jugs, Soda Bottles, Glass, Corrugate Cardboard, Newspaper, Magazines, Phone Books, and Mixed Paper.

Bolivar.

Buffalo, does not accept glass.

Christian County operates Ozark Recycling Center and five Mobile Recycling Centers.

Does not accept glass.

Fair Grove.

Fordland.

Humansville.

Marshfield.

Republic.

Rogersville.

Nixa, Serviced by Allied Waste Service, which has a City Contract for hauling and recycling.

Springfield, Operates four recycling centers and a Household Chemical Collection Center.

Additionally, all haulers must provide curb side recycling pickup service.

Stafford recently enacted a City Ordinance requiring all waste haulers to provide curbside recycling pickup service.

Willard.

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All District residents also have access to City/County Yard Waste Collection Centers.

MISSOURI SENATE BILL 225 RULE

A major effort for District "O" in 2006/2007 was involvement in the restructuring of the Missouri Solid Waste Management Law which ultimately led to the passage of Senate Bill 225 and the ongoing development of the DNR Rule to operate the new law. District "O" staff and Executive Board members were heavily involved in various committees, work groups and public hearings. As mentioned earlier in this report, the final bill has increased District "O's" annual appropriation by more than \$100,000. However, funding for the Missouri Department of Natural Resources Solid Waste Management Program has been cut and the state wide Target Grant program is being eliminated.

OTHER DISTRICT SERVICES

Education Programs. The District offers an Elementary School Waste Reduction Educational Program, available in two and four hour versions. This program started in 1997.

The District also provides Waste Reduction Educational Programs to Civic Groups and other organizations.

Technical Assistance. The District provides many types of Technical Assistance to members. This assistance includes:

Grant Preparation.

Grant Management.

Waste Reduction System Design and Implementation.

Designing Equipment Specifications.

Procuring Markets for Collected Material.

DIVERTED SOLID WASTE

The following figures are material diverted from landfills by District "O" District Grants. One thing that should be noted is that the great majority of these grants were for to fund start up programs. Some were for start up businesses, or recycling centers. Others were start up funds for new programs and/or projects in existing businesses or organizations. Almost all of these grants were 12 month grants and by the time the equipment was purchased and installed several months, sometimes as many as six or nine had elapsed. This resulted in diversion data reported for a period of only a few months. Beginning with the 2010 grant cycle, all District "O" grants will be for 24 months. There will also be a stipulation that the grantee must report diversion data for at least one full year before the grant can be closed.

Also, with the exception of four grants, all projects funded by District "O" are still in operation and are continuing to divert solid waste.

Reported Waste Diversion Tonnage by District "O" Grants from July 01 2008 - June 30, 2009:

<u>Aluminum:</u> 3.12 Tons	<u>Corrugated Cardboard:</u> 1,028.50 Tons
<u>Food Waste:</u> 172.00 Tons	<u>Electronics:</u> 718.20 Tons
<u>Mixed Glass:</u> 58.45 Tons	<u>Mixed Paper:</u> 355.50 Tons
<u>Newspaper:</u> 6.50 Tons	<u>Office Paper:</u> 1,064.00 Tons
<u>PET (#1 Plastic):</u> 1.08 Tons	<u>Mixed Plastic:</u> 23.80 Tons
<u>Textiles:</u> 61.0 Tons	<u>Tin Cans:</u> 5.75 Tons

Total Reported Diversion By Active District "O" Grants: 3,497.90 Tons

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