



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
SOLID WASTE MANAGEMENT PROGRAM
SOLID WASTE MANAGEMENT DISTRICT ANNUAL REPORT

1. SOLID WASTE MANAGEMENT DISTRICT
Quad Lakes Solid Waste Management District

2. FISCAL YEAR PERIOD:

FROM JULY 1, 2008 TO JUNE 30, 2009

GOALS AND ACCOMPLISHMENTS

3 (a). What waste goals did the district have for the fiscal year period and what actions did the district take to achieve these goals?

The waste goals the district had in FY 09 related to the following items: waste oil (petroleum products), batteries, white goods, and household hazardous waste. Given the applications that were received, the district was only able to assist in efforts related to waste oil (petroleum products). The district funded a project that involves the production of bio-diesel; which takes used oil to produce. The district received numerous applications for heaters that would burn used oil. Said applications were not funded due to the number of beneficiaries that would benefit as a result of the heater (cost savings, those receiving heat, etc), cost of the heater in relation to the amount of used oil and/or wood that would be burned (i.e. poor cost justification), effects of air quality, etc. The district was trying to ensure that grant funds would not be used towards projects in which the applicant was simply trying to get "free heat."

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3 (b). What waste goals does the district have for the upcoming fiscal period and what actions does the district plan to take to achieve these goals. Please include the types of grant proposals that will be sought for the upcoming period to assist in meeting these goals.

The district will be focusing on household hazardous waste, electronics waste, waste oil (petroleum products), white goods, and batteries during FY 10 through point allocation via the district's target material list. The district plans on devising and implementing a household hazardous waste program during FY 10. Glass, yard waste, school lab waste, and demolition waste is also included in the district's target material list. Greater emphasis will be given to applications that divert household hazardous waste and electronics waste during FY 10. The district has received multiple requests and/or comments in regards to outsources for household hazardous waste and electronics waste. The district planner will be soliciting to member cities and counties to apply for grant funds to conduct collections for household hazardous waste and electronics waste.

4 (a). What recycling goals did the district have for the fiscal year period and what actions did the district take to achieve these goals?

1. Support existing recycling services in region: The district funded applications that would result in an expansion of current services. Projects that were funded which expanded current services include Bates County Industries and the regional paper collection route. The district ensures that funds are used for expansion and/or subsidation purposes versus sustainability purposes.

2. Serve areas of the district that currently have little to no recycling services: The district decided to include Kaysinger Recycle & Disposal's program and the regional paper collection as part of their FY 10 plan implementation. The paper collection route has been expanding every year since its implementation. Various schools were added to the route, as well as cities that have no paper collection services available for recycling. There are still cities that remain unserved, thus the continuation of this goal into the upcoming fiscal year.

3. Recycling Education: The district funded KBRPC's application to take an educational magic show to local schools as a means of educating children on recycling. The district planner conducted various educational presentations to organizations as a means of educating the public. The district funded two projects that required some form of educational efforts in conjunction with their proposal. Tom Stephenson and Ballard R-2 were the two projects that the district funded that also included an educational contingency in the financial assistance agreement.

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4 (b). What recycling goals does the district have for the upcoming fiscal year period and what actions does the district plan to take to achieve these goals? Please include the types of grant proposals that will be sought for the upcoming period to assist in meeting these goals.

1. Support projects that demonstrate cooperative partnerships within the region: The district will give greater emphasis to the projects that can evidence cooperative partnerships. The district would like to see businesses, cities, etc working together as a means of diverting waste from the landfills.

2. Support existing recycling services in region: The district will continue to support projects that involve the collection and/or processing of the following materials: paper, plastic, cardboard, aluminum, and metals. Projects that divert any two or more of the waste categories defined in the district's target material list will receive more points versus proposals that will only be diverting one category of waste. Job creation and retention will also be taken into account in regards to funding existing recycling services in the upcoming fiscal year.

3. Serve areas of the district that currently have little to no recycling services: The district included the regional recycling program put forth by Kaysinger Recycle & Disposal as part of its FY 10 plan implementation project. Applications that focus on servicing a currently unserved area will be given greater priority. Applicants will be asked to identify similar services within proximity to their location/project/proposal in their application.

4. Recycling Education: The district intends on soliciting to schools to submit proposals as a means of furthering recycling education in the region. Many schools are unaware that they can utilize district grant funds as a means of educating their students in regards to recycling. Applications where an educational component could be added will be considered for funding. Ensuring the planner's availability to conduct recycling presentations will also be included as reaching the district's recycling education goal.

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5 (a). What resource recovery goals did the district have for the fiscal year period and what actions did the district take to achieve these goals?

Historically, the district has funded projects that focused on using used oil and used oil furnances as an alternative source of heat. There were two projects that the district funded that focused on resource recovery. Tom Stephenson's project; which consists of producing bio-diesel fuel and extracting the glycerin; which can be used as a supplement in bovine feed. His proposal/method is an extremely new process and the district has required this subgrant to conduct an educational seminar in hopes of encouraging other farmers to look into the same method. Ballard R-2 Schools received a grant that has allowed them to purchase playground equipment; which will consist of recycled steel.

5 (b). What resource recovery goals does the district have for the upcoming fiscal year period and what actions does the district plan to take to achieve these goals? Please include the types of grant proposals that will be sought for the upcoming period to assist in meeting these goals.

The district will fund proposals in which used petroleum prodcuts are burned as an alternative soruce of heat, but only if there will be multiple beneficiaries, little to no effect on carbon footprint (i.e. air quality issues), etc. Basically the district does not want to utilize grant funds to provide free heat to individual's personal residences. The district would also like to see proposals that include the purchase of items that are made of recycled tires, steel, etc (i.e. playground surface, equipment) versus using grant funds to simply collect used tires.

6. SUMMARIZE THE TYPES OF PROJECTS AND RESULTS DURING FISCAL YEAR (ADDITIONAL SHEETS MAY BE ATTACHED IF NEEDED.)

Name of Project Resulting in Tonnage Diversions from Landfills.	Cost of Project.	Number of Tons Diverted.	Average Cost Per Ton Diverted.
2006-5 (CD&R)	11,000.00	22.481	\$489.30
2007-2 (KRAD)	\$42,500.00	0	Diversion begin 11/09
2007-3 (BCI)	\$10,900.00	166.8405	\$65.33
2008-1 (FY 08 D.O.)	\$30,000.00	N/A	N/A
2008-2 (Education)	\$8,106.00	N/A	N/A
2008-3 (Paper)	\$26,358.93	196.2565	\$134.31
2008-4 (Tires)	\$19,082.61	119.09	\$160.24
2008-5 (KRAD)	\$9,173.73	0	Diversion begin 12/09
2009-1 (FY 09 D.O.)	\$25,000.00	N/A	N/A

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Measurable outcomes achieved.

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2006-5: Country Disposal & Recycling (CD&R) received grant funds to purchase an aluminum can crusher. The addition of the crusher drastically decreased their handling time of aluminum cans; which they process and sell as recyclables. Some problems the subgrant encountered included extreme weather conditions, labor issues and burglaries. The company had to financially restabilize before they could purchase the machine; which were reimbursed with district grant funds. Our district has recently added a direct payment policy; which will ensure a scenario such as this is not a problem for future subgrants. The overall operations of CD&R were enhanced as a result of this project.

2007-2: Kaysinger Recycle & Disposal (KRAD) received grant funds to assist them in the implementation of a regional recycling program that will benefit the counties of: Bates, Benton, Cedar, Henry, Hickory, and St. Clair. This regional recycling program will provide collection services for the following recyclables: paper, plastic, cardboard, aluminum and tin. This subgrant has encountered numerous problems that have resulted in the delay of reporting diversion. Failed efforts to secure a cooperative partnership with Henry County Industries resulted in the need to identify and pursue an agreement with a new processor. A cooperative partnership was secured with Bates County Industries, though they do not have the operational capacity to process recyclables collected on a regional basis. In order for the regional recycling program to work cost effectively, KRAD has had to modify its business plan that outlines how the program will be implemented. Obtaining volunteers has also proven to be an obstacle that KRAD is facing. It is anticipated that the program will be implemented in November 2009. The FAA for this grant is set to end on October 31, 2009. Given this subgrant has yet to report diversion, it will still be required to report diversion for twelve months even though the FAA has expired.

2007-3: Bates County Industries received grant funds to purchase a horizontal baler that would assist the company in the processing of recyclables. Originally the baler was only going to be used to process plastics. In about the middle of the project, the subgrant requested the baler also be used to process paper and cardboard in conjunction with plastics. This subgrant was able to increase their employee base from 19 to 40 as a result of this project. There were no problems encountered during and as a result of this project.

2008-1 (FY 08 D.O.): The Quad Lakes SWMD competitively bid for administrative services. Kaysinger Basin Regional Planning Commission (KBRPC) was the only response the district received. The Quad Lakes SWMD Executive Board made a motion to grant the administrative contract to KBRPC on August 7, 2008. The contract is renewable for up to five years. This project funded administrative services from September 1, 2007 - August 31, 2008. All 2008 CC/PI projects were approved, as well as FY 09 D.O. during and as a result of FY 08 D.O.

2008-2: Kaysinger Basin Regional Planning Commission received grant funds to take the "Magic of Recycling" magic show to schools within the district's region. The magic show was taken to ten elementary schools, they are as follows: Rich Hill, Adrian, Butler, Lincoln, Cole Camp, Stockton, Windsor, Hermitage, Weaubleau and Appleton City. Each teacher, whose class attended the show, were given additional educational materials that they could utilize in their classrooms in addition to the show. Teachers also completed an evaluation form in regards to the magic show. All comments provided were positive. There were no problems encountered. The limitation of grant funds prevented the show from being seen my additional schools.

2008-3: Kaysinger Basin Regional Planning Commission received grant funds to assist in the continuation of the paper collection route; which Quad Lakes SWMD initiated in 2000. The paper route consists of a box truck that travels to the communities that comprise the solid waste district and collects paper; which is processed for recycling. The following locations and/or pick up locations were added to the route during this project: Clinton post office, Leesville Schools, Clinton High School, Lincoln High School, Montrose Schools and the City of Weaubleau. The paper that is collected is then taken to Bates County Industries for processing; which they sell to a broker. The only problem the paper collection route faces is the inability to add more cities to the route. As Kaysinger Recycle & Disposal implements the regional recycling program, this problem will be less evident.

2008-4: Kaysinger Basin Regional Planning Commission (KBRPC) received grant funds to conduct a one-time collection of used tires from the counties that comprise the solid waste district. KBRPC hired Champlin Tire Recycling as the hauler for collected tires. This project was not as successful as it was anticipated it would be. It is known that not every used tire was collected during said events. Offering a free tire collection only encourages citizens to store their used tires versus paying the disposal fee at the time they replace tires. The district will not be utilizing future grant funds for free tire collections.

2008-5: Kaysinger Recycle & Disposal (KRAD) received grant funds to assist with personnel costs to implement the regional recycling program, as well as grant funds for a new truck lift, industrial steps, and a pony wall building. The new truck lift has been purchased and installed on the box truck that collects paper via a regional route. KRAD obtained ownership of the box truck and is now responsible for collecting paper via regional route. KRAD has an administrative contract with Kaysinger Basin Regional Planning Commission (KBRPC); which means the personnel hired by KBRPC is responsible for KRAD's activities. The industrial steps were purchased to make the trailer purchased through 2007-2 accessible to citizens. The pony wall building was proposed for the use at Bates County Industries. The pony wall building is intended to be an addition to Bates County Industries, and will serve as an outside drive through drop off mechanism for collecting recyclables. Bates County Industries obtained grant funding through Dept. of Economic Development (DED) to expand their building. The pony wall building will be added to Bates County Industries in conjunction with the other expansion project; which is being funded through DED. It is anticipated that this subgrant can begin reporting diversion no later than December 2009.

2009-1 (FY 09 D.O.): The Quad Lakes SWMD continues to contract with Kaysinger Basin Regional Planning Commission for administrative services. The district also formed an Advisory Committee; which held its first meeting on 11/21/08. The district has been updating/amending bylaws and policies in response to the performance audit findings. Various educational presentations were given by the district planner. District conducted grant call in which \$78,995.00 was disbursed. The remaining funds allocated during FY 09 will be disbursed in FY 10 and will be strictly for city/county projects. The Assessment Inventory was completed and submitted to SWMP. The district also received fifty of the donated Alcoa/MORA bins. The bins will be placed in the schools that participate in the region-wide paper collection route

7. SUMMARIZE PROJECTS NOT RESULTING IN TONNAGE DIVERSION	
Projects not resulting in tonnage diversions from landfills.	Cost of Project
2008-1 (FY 08 District Operations)	\$30,000.00
2008-2 (Education)	\$8,106.00
2009-1 (FY 09 District Operations)	\$25,000.00

Measurable outcomes achieved for these projects.

There are multiple ways to measure the outcomes achieved as a result of district operations. The main outcome being the results of the grant call the district held (i.e. projects that were approved, not approved, etc). Another outcome is ensuring the district's compliance with state regulations and ensuring district policies and bylaws stay up-to-date, accurate, and representful of how the district operates.

The number of students that were educated is the measurable outcome for project 2008-2. According to the district's file, approximately 2,790 students, teachers and administrators were educated as a result of project 2008-2. Based on the feedback received from teachers and administrators, they and Quad Lakes SWMD would recommend the "Magic of Recycling" to other districts and/or schools.

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8. IDENTIFY SEPARATE STATISTICS FOR ITEMS BANNED FROM LANDFILLS			
List projects resulting in tonnage diversions from landfills.	List cost of project resulting in tonnage diversion.	Number of tons diverted from project.	Average cost per ton diverted.
2008-4 (Tires)	\$19,082.61	119.09	\$160.24
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10. Describe your district's grant proposal evaluation process.

1. Notices for "Grants Availability" is published in most to all of the newspapers available within the district's six counties.
2. Applicants are given thirty days to submit proposals to the district's office. The notice is also sent to the district's member cities and counties, typically done via fax.
3. A copy of each application received is mailed to each Advisory Committee member no less than twenty days before their next scheduled meeting.
4. Applicants are invited to a Question-and-Answer session that is held at said Advisory Committee meeting. This gives the reviewers/rankers the chance to ask the subgrant questions as a means of ensuring clarity of the proposed project.
5. Advisory Committee reviews and ranks the applications, then makes recommendations to the Executive Board.
6. The Executive Board reviews all of the Advisory Committee's actions and recommendations before actions are taken at the Executive Board on received applications.
7. It is district policy that applications must receive at least fifty points to be considered for funding approval.
8. The Advisory Committee has recently made the following recommendations to the Executive Board in regards to the district's grant proposal process: having a pre-application process, adding criteria to the ranking sheet (i.e. job creation), requiring relevant documentation be submitted with the application, annually updating/revising the district's target materials list, etc.
9. Typically the district conducts only one grant call per year.
10. Guidance document is provided with each application. The guidance document summarizes the district's requirements and provides instructions and information on how to apply for district grants.

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