Elbert County Health and Environment
P.O. Box 201 Kiowa, Colorado 80117 (303) 621-3145

Final Report
Elbert County Recycling & Greenwaste Project

1. **Agency Name: Elbert County**

2. **Project Title: Elbert County Recycling and Greenwaste Project**

3. **Name of Project Manager: Mary Sue Liss**

4. **Project Manager e-mail address and phone number: envirhealth@yahoo.com 303-621-3145**

5. **Name of person(s) completing this report: Mary Sue Liss**

6. **E-mail address and phone number of person(s) completing this report: envirhealth@yahoo.com 303-621-3145**

II. WORK PLAN

Deliverable	Completion Date	Comments (if deliverable was not completed, please explain why or progress made)
Submit 'Design and Operations Plan' to CDPHE for review	n/a	Per CDPHE, This compost operation will not require a "Design and Operations Plan" based on the fact that this project has the ability to keep its footprint on a 2.5 acre or less area. This project is deemed a Class 4 Facility which is exempt from the D&O requirement under Section 14 of the CDPHE Compost Regulations.
Finalize Design and Operations Plans for Compost project and 'Drop and Swap' operation.	9-1-2008	
Write descriptions for positions and post employment advertisements.	7-1-2008	
Order equipment per State of Colorado bid process.	9-1-2008	
Advertise beginning of new services.	4-1-2009	Direct mail campaign. Sent postcards to 4000 households in Elbert County.
Train employees on hazardous waste collection procedures.	5-30-2009	Three employees completed 8 hour OSHA update. 3 additional staff received safety instruction from Clean Harbors staff.
Train employees on compost equipment and compost process.	4-15-2009	One employee attended compost training. Elbert County trains two staff members on operation of compost turner.
Receive and insure new equipment.	4-15-2009	All haz mat buildings and compost equipment in place. Well and pump house complete 6-15-2009.
Hire and orientate new employees	8-1-2008	
Begin 'Drop and Swap' operation.	5-30-2009	
Begin composting operation.	6-15-2009	Well installed. Now can start compost process

III. Grant Project Information

1. Executive Summary

The Elbert County Recycling and Greenwaste Project was created to address the recycling and organic waste disposal needs of a growing rural county. The ability to collect household hazardous waste and implement a “Drop and Shop” style approach to hazardous waste was accomplished. A real need for a place to recycle the county’s green waste was addressed.

2. Project Description and Overview

In a rapidly growing area, we were able to address increasing demands for recycling and environmental services.

Before this grant, Elbert County residents had no place to dispose of lawn clippings, mulch, tree limbs, etc. For the typical small acreage landowner, these items typically ended up in household garbage, road ditches and in streambeds.

The Elbert County Trash Compactor and Recycling Site was able to be greatly enhanced thanks to this project. This site now houses a permanent household hazardous waste collection facility which features a “Drop and Swap” component.

This project created several part time jobs for local residents.

3. Summary of Findings and Results

The chipper component of the greenwaste project was wildly popular. So much so that it was difficult to retain enough chips to create compost windrows.

The household hazardous waste roundup component of this project is also very popular with local residents. Many of them had been storing chemicals in their homes for over 5 years. Paint and automotive chemicals are the most common items both collected and “Swapped” in our operation. Pesticides and herbicides seem to be the items that residents seem to see an urgency in getting rid of. Household cleaning products are also popular items that are “shopped” for in the “Drop and Swap” program.

4. Summary of Unanticipated Outcomes and Roadblocks.

The well drilling at the compactor site was our largest roadblock. The water right and well permit hit a snag at the state level and took some time and effort to untangle.

The hazardous material storage trailer also took a very long time to be built and delivered.

The bid process and purchase order process associated with being a governmental entity also served as impediments to a speedy process.

5. Communication of project.

Results of the project are available through the Elbert County Health and Environment Department.

We periodically publish environmental updates. We offer event reminders in the two community newspapers. Additionally, postcard updates are sent out 2-3 times per year.

6. Future Impact of Project.

This project was designed to be sustainable by Elbert County. The equipment and infrastructure provided by this grant will allow the practices to continue. Elbert County will only have to staff and provide minimal operating funds to allow these environmental programs to go on.

7. Financial Summary

Grant Total	$160,000

Expenditures:

Labor/Wages	$42,557.72
Equipment/Cap outlay	$75,232.00
Well and pump	$12,052.66
Supplies	$1,536.00
Advertising	$1,456.00
Training	$495.00
Electrical	$4,725.00
Misc. (Spill Prevention)	$2,319.93
Total spent	$140,374.31

Elbert County matched funds in this budget by providing insurance, site, fuel, equipment hauling and maintenance. Other items related to this project that were provided for this project include covering travel costs and site security.

Matching funds from Elbert County:

Fuel, oil, grease, etc:	$5500.00
Maintenance of Equipment	$1200.00
Insurance on site, buildings, equipment	$ 5000.00
Utilities	$1800.00
Total “In Kind” Match	$13500.00

8. Final Conclusion

Through the generous support of the RREO Grant program, Elbert County has been able to greatly enhance the level of recycling and ability to provide environmental services to its residents. Through the planning and operation of this grant, we have been able to learn how valuable gaining infrastructure is to a long range recycling program.

With fees collected at our newly expanded recycling site and with the permanent structures and equipment gained through this grant, we will sustain and continue to improve this program.

Appendix

Grant Metrics

Date project fully operational: May-09

(Based on deliverables- month that impact of grant would have changed volumes/job creation/participants)

Diversion Rates:

(Choose one material per box. Only list those collected over the grant cycle. Must be listed as "tons". See tab labeled "Conversion Tables" if needed.)

Material Diverted #1: Compostable (Food/Yard Waste,etc.)

	Tons Diverted
July-08	10
August-08	10
September-08	5
October-08	2
November-08	1
December-08	0
January-09	0
February-09	0
March-09	7
April-09	10
May-09	12
June-09	12
Total	69

Other div. material:

Material Diverted #2: Other (pls describe below)

	Tons Diverted
July-08	1
August-08	1
September-08	1
October-08	1
November-08	1
December-08	1
January-09	1
February-09	1
March-09	2
April-09	2
May-09	2
June-09	1
Total	15

Other div. material: used motor oil

Material Diverted #3: Other (pls describe below)

	Tons Diverted
July-08	
August-08	
September-08	
October-08	
November-08	
December-08	
January-09	
February-09	
March-09	
April-09	
May-09	0.1
June-09	
Total	0.1

Other div. material: Pesticides/herbicides

Material Diverted #4: Other (pls describe below)

	Tons Diverted
July-08	
August-08	
September-08	
October-08	
November-08	
December-08	
January-09	
February-09	
March-09	
April-09	
May-09	0.25
June-09	
Total	0.25

Other div. material: Non pourable flammables

Material Diverted #5: Other (pls describe below)

	Tons Diverted
July-08	
August-08	
September-08	
October-08	
November-08	
December-08	
January-09	
February-09	
March-09	
April-09	
May-09	2
June-09	
Total	2

Other div. material: Water based paint

Material Diverted #6: Other (pls describe below)

	Tons Diverted
July-08	
August-08	
September-08	
October-08	
November-08	
December-08	
January-09	
February-09	
March-09	
April-09	
May-09	1.5
June-09	
Total	1.5

Other div. material: oil based paint

Material Diverted #7: Other (pls describe below)

	Tons Diverted
July-08	
August-08	
September-08	
October-08	
November-08	
December-08	
January-09	
February-09	
March-09	
April-09	
May-09	0.25
June-09	
Total	0.25

Other div. material: solvents

Material Diverted #8: Other (pls describe below)

	Tons Diverted
July-08	
August-08	
September-08	
October-08	
November-08	
December-08	
January-09	
February-09	
March-09	
April-09	
May-09	0.2
June-09	
Total	0.2

Other div. material: cleaning chem/auto chem

End use of diverted materials:
(Describe where materials are going
[e.g., MRF, new products, reuse])

Any non reusable or volatile chemicals were disposed of with Clean Harbors, Inc. Any reusable products were diverted from the waste stream through the "Drop and Swap store available at the Elbert County Compactor location.

Number of Permanent Jobs Created:
(Include full-time & part time paid positions.
1 FTE = 2080 Hours Worked)

1.6 FTE

Type of Permanent Job(s) Created:
(Provide titles of jobs created)

Haz mat handlers, compost,mulch operators.

Average Salaries of Jobs Created:
(Average of all jobs created)

$15,001 - $30,000

Average Monthly Customers for FY 08:
(July 1, 2007 - June 30, 2008)

300

Average Monthly Customers for FY 09:
(Estimate or customer lists)

	Ave. Monthly Amount
July-08	500
August-08	600
September-08	250
October-08	250
November-08	200
December-08	175
January-09	175
February-09	200
March-09	300
April-09	600
May-09	600
June-09	500
Ave. / FY 09	362.5

Are you willing to provide a six month summary after the grant ends for CDPHE?

yes

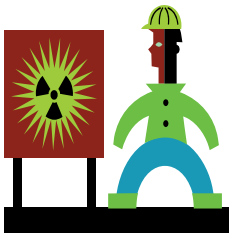
Community Leaders Contact Information:

Paula or Jerry Koch (neighbors)	303-646-4201
Craig Curl (neighbor)	303-646-3895
Glenn Ohrns (User of site)	303-648-9690
Ruth Freeman	303-646-0811

CleanHarbors

Vermeer

Elbert County Household Waste Roundup



Elbert County Fairgrounds Kiowa, Colorado

SATURDAY May 30, 2009

8AM TO 12PM

A voluntary $20 per vehicle donation is requested to help offset the high cost of hazardous waste disposal. For the same price, you may shop our "Drop and Swap" trailer!

We will accept:

- House, garden and pool chemicals
- Paint products
- Automotive fluids
- Fuels/ Propane tanks
- Vehicle and household batteries
- Mercury

We will NOT accept:

- Medical Waste
- Business and Commercial waste
- Radioactive waste
- Explosive waste
- Smoke Detectors
- Asbestos containing waste
- Compressed gases other than propane
- Tires

(Tire disposal available @ Elbert County Compactor 303-646-0811)

This service is for Elbert County residents only. Please provide proof of residency, i.e. driver's license, water bill, utility bill or phone bill. We respectfully request that you *STAY* in your vehicle. NO SMOKING!

Any questions please contact the Elbert County Public Health Department at 303-621-3145

*******NEW TO ELBERT COUNTY RESIDENTS:***

ELBERT COUNTY CHIPPER PROJECT -

Chipper hours of operation: Fridays and Saturdays from 9am to 5 pm.

No chipper loads will be unloaded unless the chipper operator is present.

Prices for limbs brought in & Mulch to purchase:

Small pickup or trailer load- $6.00

Larger pickup or trailer load- $8.00

Extra large trailer load- $20.00

(NOTE: *Residents that bring in materials for chipping pay chipper fee only then may take home an equal amount of mulch for free.)*

The chipper project will shut down November thru March– depending on weather

COMPUTER RECYCLING-

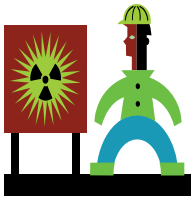
Along with our Chipper project we have started our new Computer Recycling as well.

Prices for Computer Recycling-

Monitors less than 15"	$7.00	Televisions	$2.00 per inches
Monitors 16" - 17"	$9.00	Laptops	$5.00
Monitors over 17"	$10.00	Box of misc. electronics	$10.00
CPU	$8.00	Small copy machines	$20.00
Printers/ Fax machines	$8.00	Large Copy machines	$40.00
Entire Computer	$15.00 (monitor, cpu, keyboard, mouse and cords)		

The computer recycler will guarantee hard drive destruction.

Elbert County Household Waste Roundup



ELBERT COUNTY COMPACTOR SATURDAY JULY 25, 2009
8AM TO 12PM

A voluntary $20 per vehicle donation is requested to help offset the high cost of hazardous waste disposal. You may also visit our "Drop and Swap" trailer for gently used or new items!

We will accept:

•House, garden and pool chemicals •Paint products •Automotive fluids •Fuels/ Propane tanks •Vehicle and household batteries •Mercury

We will NOT accept:

•Medical Waste •Business and Commercial waste •Radioactive waste •Explosive waste •Smoke Detectors •Asbestos containing waste •Compressed gases other than propane •Tires
(Tire disposal available @ Elbert County Compactor 303-646-0811)

This service is for Elbert County residents only. Please provide proof of residency, i.e. driver's license, water bill, utility bill or phone bill. We respectfully request that you *STAY* in your vehicle. NO SMOKING!

-----UP COMING EVENTS-----

ROCKY MOUNTAIN YOUTH AND ELBERT COUNTY PUBLIC HEALTH COME TOGETHER FOR HEALTHIER KIDS IN OUR COMMUNITY. LOOK FOR OUR FREE CLINIC DATES AT SELECT LOCATIONS IN THE COUNTY COMING IN SEPTEMBER AND OCTOBER.

ELBERT COUNTY CHIPPER/COMPOST PROJECT -

Chipper hours of operation: Fridays and Saturdays from 9am to 5 pm.
No chipper loads will be unloaded unless the chipper operator is present.

Prices for limbs brought in-
Small pickup or trailer load- $6.00
Larger pickup or trailer load- $8.00
Extra large trailer load- $20.00

Residents that bring in materials for chipping may take home an equal amount of mulch for free.

Price for Mulch:
Small pickup or trailer load- $6.00
Larger pickup or trailer load- $8.00
Extra large trailer load- $20.00

The chipper project will shut down November thru March– depending on weather

SEE OUR WEBSITE FOR MORE INFORMATION ON OUR CHIPPER PROJECT OR

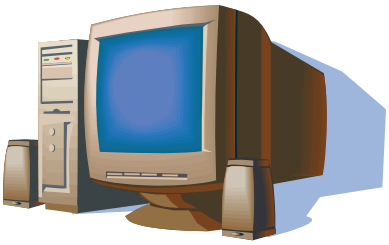
ELBERT COUNTY PUBLIC HEALTH
P.O. BOX 201
KIOWA, CO 80117

PRESORTED
STANDARD
U.S. POSTAGE PAID
KIOWA CO
PERMIT # 25

POSTAL PATRON

WWW.ECHEALTH.ORG– CHECK US OUT ON THE WEB. LOTS OF INFORMATION AND A CALENDAR OF EVENTS IN THE COUNTY.

NEED COMPUTER RECYCLING? CHECK THIS OUT!!



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