



2010 Annual Report

Our Mission

To implement the Lorain County Solid Waste Management Plan by Educating and Encouraging Recycling Efforts, Waste Reduction, & Litter Prevention in Lorain County



Lorain County Solid Waste Management District

A Letter from the Director



Dear Lorain County Resident:

In 2010, the District achieved several milestones including providing me with the opportunity to assume the role as the new District Director

There were several major accomplishments by the District in 2010. As you can see from the front cover of this report, the Lorain County Solid Waste Management District Collection Center opened for business during the summer of 2010. There were many challenges in getting a facility of this type up and running to provide Lorain County residents with a year-round solution for the proper management of household hazardous waste, scrap tires, fluorescent bulbs, electronics and other materials. The permanent Collection Center is open 12 p.m. to 6 p.m. Monday and Wednesday and Saturday from 9 a.m. to 6 p.m. From the opening in June of 2010 through the end of the calendar year, the Collection Center received 121 tons of HHW material and serviced over 6,500 vehicles. If you have not been out to visit our facility, we encourage you to stop by.

Another major accomplishment in the District has been the conversion to the Volume Based System. By the end of 2010 almost all of the communities had made the switch to the cart system which provides residents with the ability to recycle more materials and more volume. In 2010, residential curbside and drop-off programs recycled 19,340 tons. This is a 48% increase in the curbside and drop-off programs in two years.

If you have not visited our website recently we hope you will take the time to look around. You will find information on our programs and many of our other services. You can get there by visiting: <http://www.loraincounty.us/solidwaste>. If you have any questions or comments about any of the information in this Annual Report we want to hear from you. Please call us at 1-800-449-5463.

Sincerely,

Keith A. Bailey
District Director



Policy Committee

Ted Kalo, Commissioner
Tony Krasienko, Mayor, City of Lorain
James Boddy, Representing Health Commissioner
Brian Parsons, Chair, Representing the Public
Howard Akin, Vice Chair, Representing Townships
Ken Schneider, Representing Industry
Dr. David Hintz, Representing the Public

District Staff

Keith Bailey, Director
Marilyn Pileski, Administrative Assistant
Sally Pecora, Project Manager
Dave McGuire, Solid Waste Specialist
Brandi Schnell, Solid Waste Specialist
Tiffany Barker, Solid Waste Specialist

Lorain County Board of Commissioners
Ted Kalo Lori Kokoski Tom Williams

*A proud member of the Lorain County
Growth Partnership*



Information & Reference Services

District Phone Line

The District maintains a toll-free phone line (**1-800-449-5463**) to answer any questions regarding solid waste management. During normal business hours (8:00 AM to 4:30 PM, Monday through Friday), the staff answers the line directly, or responds to messages as soon as possible. Messages may be left twenty-four hours a day, and they will be responded to on the next business day. During 2010, the District received over 3,000 calls on this phone line. Any resident with a question about how to dispose of or recycle any type of solid waste, and especially hazardous materials, is encouraged to call.

Website

The District maintains several pages of information within the general website for Lorain County Government. The web address is: www.loraincounty.us/solidwaste.

Community Financial Support & Recycling Market Development

Revolving Loan Program

The Revolving Loan Program continued to provide assistance to Lorain County businesses and organizations (including non-profits) that utilize recycled materials either in their building materials or in their manufacturing process. The program promotes recycling business opportunities, provides additional markets for recycled materials, retains and creates recycling related jobs, and increases the manufacturing capacity for recyclable materials in Lorain County.

In 2010, the District provided a total of \$130,000 in low interest loans to two local businesses. ADI Wind received \$80,000 to assist with the use of recycled materials in their wind turbine manufacturing process. Greenfield Solar received \$50,000 to purchase recycled materials that will be used in the production and installation of their solar energy systems.



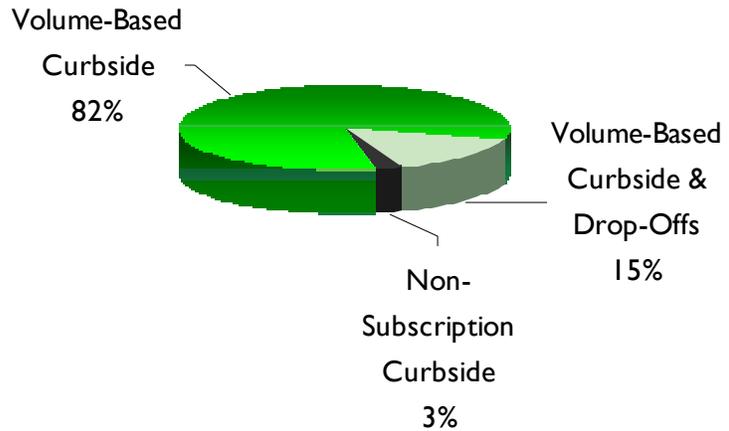
District Market Development Grant

The District Market Development Grant Program was developed to provide funding to special projects initiated by the Lorain County Commissioners. The Lorain County Commissioners awarded \$27,000 to Clearview Local Schools in 2010. This funding was provided to renovate the school's stadium track with material from recycled tires and asphalt.

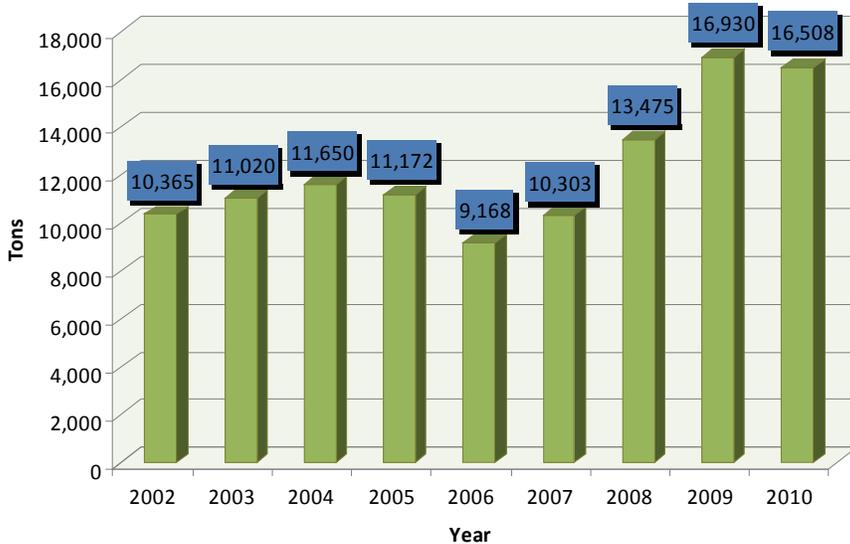
Residential Recycling

2010 Lorain County Residential Recycling Programs

Lorain County residential recycling is conducted through curbside and drop-off programs. By the end of 2010, the District had thirty-one curbside recycling programs and six drop-off recycling programs. Thirty of the thirty-one curbside programs were all or partly volume based systems. The pie chart to the right depicts the distribution of recycling programs available to Lorain County residents.



Residential Recycling in Lorain



Phonebook Recycling

The District will no longer host a separate phonebook recycling program. Residents may recycle phonebooks at more than 100 Abitibi Paper Retriever bins throughout Lorain County.



Has your community increased its recycling totals this year?



Lorain County Recycling Report Card

Lorain County Community	Type of Recycling Program	2005 Tons	2006 Tons	2007 Tons	2008 Tons	2009 Tons	2010 Tons
City of Amherst	Volume Based	120	190	375	795	819	1,163
Amherst Township	Volume Based	340	277	192	330	512	498
City of Avon	Volume Based	795	151	885	908	3,290	3,001
City of Avon Lake	Volume Based	1,999	1,672	1,369	1,582	1,565	1,159
Brighton Township	Volume Based	32	23	24	56	52	69
Brownhelm Township	Volume Based	14	9	9	24	23	39
Camden Township	Volume Based	93	28	83	63	73	DNR
Carlisle Township	Volume Based	529	280	301	366	782	746
Columbia Township	Volume Based	273	454	449	323	483	715
Eaton Township	Volume Based	154	316	283	231	234	473
City of Elyria	Volume Based	1,514	1,176	857	2,275	2,174	1,083
Elyria Township	Volume Based	132	219	146	137	183	342
Village of Grafton	Volume Based	0	34	116	319	289	240
Grafton Township	Volume Based	169	134	100	181	261	257
Henrietta Township	Volume Based	77	68	190	136	95	126
Huntington Township	Volume Based	31	60	187	83	84	106
Village of Kipton	Volume Based	Included in Camden Twp. total				12	DNR
Village of LaGrange	Volume Based	68	61	107	77	108	187
LaGrange Township	Volume Based	52	81	43	146	152	342
City of Lorain	Weekly Curbside	1,178	976	1,224	1,549	1,371	1,078
New Russia Township	Volume Based	67	51	77	39	12	183
City of North Ridgeville	Volume Based	1,360	1,223	1,562	1,515	1,122	1,237
City of Oberlin	Volume Based	426	263	609	824	698	814
Penfield Township	Volume Based	152	125	106	149	164	167
Pittsfield Township	Volume Based	94	62	62	57	55	151
Village of Rochester	Volume Based	57	74	86	62	4	8
Rochester Township	Volume Based	Included in Rochester Village total				29	DNR
City of Sheffield Lake	Volume Based	684	543	202	309	345	527
Village of Sheffield	Volume Based	156	127	128	148	432	182
Sheffield Township	Volume Based	41	40	0	67	82	230
Village of S. Amherst	Volume Based	0	0	96	74	70	175
City of Vermilion	Volume Based	416	305	273	422	284	745
Village of Wellington	Volume Based	126	115	124	188	1,008	382
Wellington Township	Volume Based	23	31	37	41	63	83
Total Tons		11,172	9,168	10,303	13,475	16,930	16,508

Collection Center

In the summer of 2010, the District opened the permanent Collection Center. The use of the center is free to Lorain County residents. Residents can drop-off HHW, e-scrap, fluorescent lamps & ballasts, and scrap tires. Businesses with facilities in Lorain County are restricted to using the e-scrap and fluorescent lamp & ballast programs only. The Collection Center is open 12:00 PM to 6:00 PM on Monday and Wednesday and 9:00 AM to 6:00 PM on Saturdays. Over 120 tons of harmful chemicals and other substances were collected in 2010. Materials collected included: paint, chemicals, aerosol cans, mercury-containing items, and other hazardous items, all of which could cause serious environmental damage if not properly recycled or disposed. The District website contains information regarding the types of materials collected at the new Collection Center.



Fluorescent Bulb and Ballast Program

Fluorescent and high intensity discharge (HID) lamps and their ballasts, as well as compact fluorescent lamps are accepted. Local residents and businesses recycled over 40 tons of bulbs and ballasts in 2010.

Printer Cartridge and Cell Phone Recycling Program

The District continued to partner with the Lorain County Office On Aging (LCOOA) for this project. Senior volunteers sort and ship the materials. Residents recycled over 1,000 printer cartridges and 400 cell phones through this program in 2010, generating over \$1,000 in revenue. The proceeds are used by LCOOA to help support many efforts to aid senior citizens in Lorain County. The program is available to any business or organization that would like to participate. To be included, call the LCOOA at 440-326-4819.



2010 Collection Center Statistics

HHW.....	121 tons
E-Waste.....	220 tons
Scrap Tires.....	486 tons
Bulbs and Ballasts.....	40 tons
Printer Cartridges.....	1,000
Cell Phones.....	400



Other Programs at the Collection Center

Electronics Recycling Program

The electronic equipment collected by the District is processed by a contractor that refurbishes some of the equipment so it can be reused by schools or non-profit organizations. If it cannot be updated, then the metals and other components of electronic equipment will be recycled.

Some of the acceptable e-scrap items include: computers, monitors, printers, televisions, cell phones, (including batteries, chargers and cables), copiers, fax machines, home stereos and selected other home electronics. The list of items collected has grown steadily each year. In 2010, over 220 tons of e-scrap was recycled at the Collection Center.



Scrap Tire Recycling

Scrap tires are not only unsightly; they are also a threat to public health and illegal when disposed of improperly!

The Lorain County Solid Waste Management District is doing its part to keep Lorain County beautiful as well as keep residents healthy. Scrap tires are now collected year-round from residents at the new Lorain County Collection Center, as well as at Grafton Township Hall and Lorain City Service Garage. In 2010, Lorain County residents recycled 972,060 pounds of tires (486 tons) at the District's facilities.

Farm Tire Collection

Thanks to a grant from the Ohio Department of Natural Resources (ODNR), the Lorain County Solid Waste Management District was able to expand its existing tire collection program in 2010 to incorporate agricultural tires. Lorain County residents who own or operate agricultural equipment could recycle scrap farm tires for free during this one time Farm Tire Collection event.



Commercial & Industrial Recycling Activities

Business Round Table

The Business Round Table, started in 2009, held five meetings in 2010. Meeting and discussion topics varied throughout the year and guest speakers covered recycling strategies and waste reduction activities related to business. Meetings lasted about an hour and were held at the County Administration Building in downtown Elyria. Each meeting was attended by an average of 15 people. Participation from all types of businesses and industries at the Business Roundtable discussions is encouraged. Businesses are also welcome to share recycling success stories and discuss their recycling efforts with the group. If you would like to get involved, contact the District at: 1-800-449-5463.

Awards Ceremony

In 2010, the District held its first annual awards ceremony for the Business Recycling and Waste Reduction Recognition Program. Awards were presented to commercial and industrial businesses at its Business Round Table meeting. Participants were evaluated on the number of tons recycled, the amount of materials recycled per employee, and the number of waste streams.

Congratulations....

2010 Recycling & Waste Reduction Winners

Industrial Sector



Lorain Tubular Operation



Ford Motor Company

Commercial Sector



Walmart



Giant Eagle



JD Trucking



Commercial & Industrial Recycling

Industrial recycling refers primarily to the capture and recycling of scrap material, such as metals and plastics, resulting from a manufacturing process. It also covers the reuse of materials incidental to the process, including cardboard, pallets, and packaging materials. In 2010, the industrial sector recycled 82,336 tons (approximately 1.65 million pounds)!



During 2010, these drop-offs collected 3,109 tons of paper that was recycled.

Office Paper Recycling

The District continued to implement its office paper recycling program in 2010. The District's plan included providing containers to businesses and organizations that are willing to recycle their office paper and bottles and cans. Over 235 containers were given out during 2010. Half of the containers were distributed to schools; the other half of the containers were given to private and public organizations of all types and sizes.

Businesses and organizations with an interest in recycling their office paper had two options to choose from in 2010. Abitibi Paper Retriever's Program promoted recycling through the placement of green and yellow bins (at no cost) adjacent to schools, churches and other non-profit organizations. Organizations hosting a Paper Retriever drop-off location were paid for the material collected in their bin. Businesses that produced larger volumes of office paper that wished to recycle were encouraged to participate in Republics Workplace Recycling Program.



Community Events



Throughout the year the District provides awareness and educational activities and makes presentations at local events and festivals. Some events that the District participated in during 2010 include the Elyria Apple Festival, the Lorain Port Fest, and the Lorain County Fair. The District hosted educational booths and provided Lorain County residents with informational brochures and answered questions. The District has 19 different brochures that cover topics ranging from collection events to recycling and source reduction.



Lorain County Pride Day



The District would like to send out a sincere “thank you” to this year’s Lorain County Pride Day Volunteers! Pride Day is an annual county-wide litter collection and beautification event. Although the event is promoted and sponsored by the District, each community is involved in the recruitment and scheduling of volunteers for the day’s activities. In 2010, there were 1,546 volunteers! The volunteers picked up approximately 378,000 pounds (189 tons) of solid waste. Volunteers cleaned 91 miles of roadway (18 more miles than the previous year), 236 acres of parkland, 15 miles of nature trails, 14 playgrounds, 9 graffiti sites (5 more than the previous year) and 5 waterways.

The volunteers also planted 18 trees 628 flats of flowers (128 more than the previous year). The District purchased 102 scout patches for Boy and Girl Scout troops that participated in the event.

Get Involved!

If you would like to participate in future pride day events, contact the District: **1-800-449-5463** to be put in touch with your community Pride Day representative.



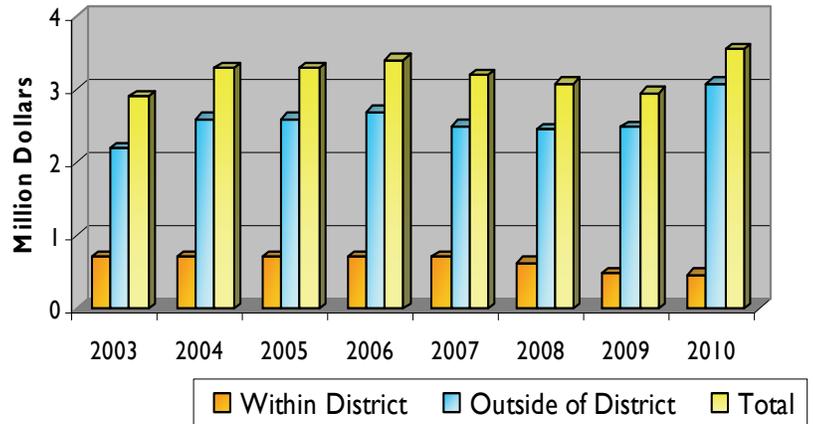
Financial Information

Revenues

The District receives its funding from a \$2.00 per ton tipping fee for Lorain County solid waste and a \$4.00 per ton tipping fee for waste coming from outside the County.

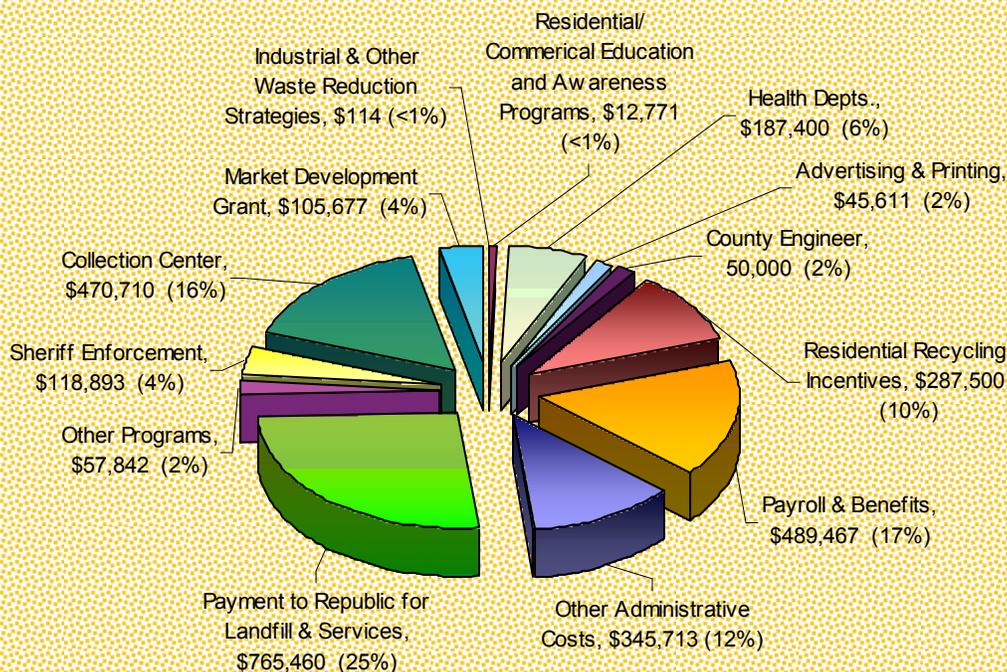
In 2010, the District received \$474,210 from Lorain County and approximately \$3.1 million from outside the District.

District Revenues (2003—2010)



Total District expenses were \$2.9 million in 2010. The chart below displays a break-down of the District's programs and the amount of funds allocated to each program.

2010 Expenses



*"Other Programs" includes funding for the Litter Strike Team and a Third Party Financial Audit.

Litter Clean-Up & Prevention

Commissioners Litter Strike Team

The “Litter Strike Team” was created to respond to areas plagued with litter throughout the county in a timely manner to stop the spread and accumulation of litter. It’s a proven fact that litter attracts litter. Neat and clean neighborhoods are less likely to become littered as opposed to neighborhoods in disarray.

Team members cleaned up dozens of bags of litter and removed tires from open parking lots. The Litter Strike Team is about more than picking up debris; they are tasked with rehabilitating areas so that they do not become targets for litter in the future. The team accomplished this by addressing litter “magnets” such as fence lines and railroad crossings, and removing weeds that trap and hold wind blown litter.



Environmental Crimes Unit

Open dumps and waste tire dumps are not only eyesores, but pose serious risks to human and environmental health and have become a growing problem. Toxic or hazardous materials can seep into rivers, streams, and groundwater and contaminate the water, making it unsafe to drink or unable to support aquatic life. Abandoned materials also pose a hazard if they were to catch on fire or are illegally burned and become a source of air pollution. Trash piles can also be breeding grounds for rats, mice and other rodents, as well as ticks, flies and mosquitoes that transmit diseases.

The Lorain County Solid Waste Management District and the Lorain County Sheriff’s Office implemented the Environmental Crimes Unit (ECU) in the spring of 2009. Since that time, the ECU has responded to complaints about litter and open dumping from the general public, local businesses, city, township, and county governments, as well as other law enforcement agencies. The goal of the ECU is to improve the quality of life for the citizens of Lorain County by providing them with information and resources on how to properly dispose of different types of waste and enforce the penalties associated with illegal dumping.

If you would like to report littering, dumping or other environmental crimes you may contact the Environmental Crimes Unit directly by calling the Lorain County Sheriff’s Department at: **440-329-3710** or visiting www.loraincountysheriff.com.

In 2010, the ECU investigated:

- 15 Open dumping cases
- 24 Littering cases
- 2 Cases of littering from a motor vehicle
- 5 Open burning cases
- 6 Fire code violations
- 5 Violations of township resolutions
- 4 Violations of polluting state lands or waters
- 23 Other Ohio Revised Code violations
- 43 Abandon vehicles cases
- 11 Violations involving the registration of scrap tire transporters



Composting

Organics Education Programs

The District continued the compost education program. Adults and school-age children had to opportunity to participate in organics education provided by the agricultural agent. In 2010, the agricultural agent conducted 23 presentations for over 1,700 adults and students. The focus of the education has been composting — particularly in rural areas. Topics included “Getting the Dirt on Compost.” Presentations were made to schools, garden clubs, libraries, and girl scout troops.

There are several easy ways to help keep yard waste out of the landfill.

- ◆ Mulch your grass clippings as you mow. Leaving the clippings on the lawn provides a great source of nutrients for a healthy lawn.
- ◆ Consider a backyard compost kit. A composting specialist in the Lorain County Office of the OSU Agricultural Extension Service is employed part-time by the District, to promote better methods of managing organic materials. They can give you technical assistance in preparing backyard compost. Call the OSU Agricultural Extension Office at 440-326-5856 for more details.
- ◆ Participate in the yard waste collection program offered by your community.

Composting Facilities

Yard waste recycling comprised over 40% of the residential/commercial waste recycled in Lorain County in 2010. Leaves, grass clippings and brush are materials that do not belong in our landfills. Some Lorain County communities have leaf and grass clipping collection programs. In Lorain County, we have 23 compost facilities registered with the Ohio EPA. More than 31,000 tons of yard waste was managed at these facilities in 2010.

Home Composting

Residents of Lorain County are encouraged by the District to create their own compost bin or pile. Compost makes soil loose and dark, helps retain water, fertilizes, and makes plants grow better. Yard waste and fruit and vegetable scraps may be placed in compost.

For questions and assistance please contact the District:

1-800-449-5463



Education & Awareness

Performances and Presentations



In 2010, the District staff made 85 elementary school presentations reaching 2,752 students. In addition, various groups continued to perform assemblies for Lorain County students. The Illusion Maker performed his environmental magic and illusion show teaching the 3R's (Reduce, Reuse and Recycle) at 14 assemblies for 4,900 students.

Special Events

The District provided transportation for 120 students to tour the Republic Services Lorain County Landfill and Material Recovery Facility. Students witnessed the processes involved with managing recyclables and solid waste. Tours aim to engage students and raise awareness about environmental sustainability and natural resource conservation.

The annual Environmental Science Fair provides gifted students from Lorain County with an opportunity to experience learning about Vermi-composting and various environmental topics in a "classroom without walls" - the great outdoors! Other activities included testing water quality, observing birds of prey, and identifying plants and insects. In 2010, the District provided transportation to the event for 350 talented and gifted students.



Education & Awareness



Contests

The District held a Poem contest for all students in grades 5-6. A total of 167 students participated. There were winners for first, second, and third place, chosen in each grade level (6 winners in all). 1st place winners received a \$50 gift certificate, 2nd place winners received a \$40 gift certificate and 3rd place winners received a \$30 gift certificate to the local mall.

Once again, the District held the popular barrel painting contest in conjunction with 4-H clubs during the Lorain County Fair. In 2010, twenty-six barrels were painted and decorated for the contest. There were three age groups with three winners each. The winners received \$75, \$50 and \$25 gifts for the first, second and third place winners.



“Trash Talk”

The District distributed a quarterly publication for students in grades 4-6. “Trash Talk” featured articles about recycling, waste reduction, material reuse and litter prevention.

In 2010, 6,200 copies of the newsletter were distributed to 4th, 5th and 6th graders.





Lorain County Solid Waste Management District
A Department of
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