United States Environmental Protection Agency, Region 7 | Office of Public Affairs | July 1992

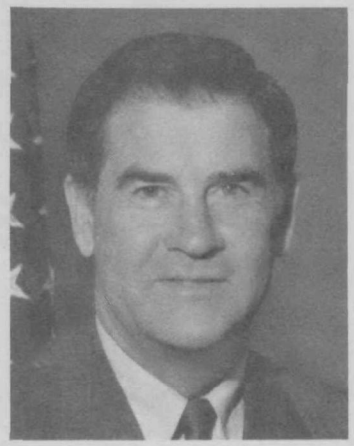
Iowa, Kansas, Missouri & Nebraska

Administrator's Awards Program

Region 7 Pollution Prevention Projects Summary

Successful Models of Innovative Pollution Prevention Activities

Response to the U.S. Environmental Protection Agency Annual Administrator's Awards Program, with a focus this year on pollution prevention, has once again been outstanding. Our office received more than 50 nominations of remarkably innovative and cost-effective pollution prevention programs. We have listed the programs in this brochure to recognize the kinds of pollution prevention activities being conducted by individuals, communities, schools, governments, and businesses. These pollution prevention programs serve as models for inspiring all of us to find innovative solutions to our environmental problems. We congratulate those responsible for the pollution prevention efforts described in this brochure. They are helping achieve a cleaner and healthier environment for all of us.



Morris Kay, Administrator
EPA Region 7

Preventing Pollution is U.S. Policy

"An ounce of prevention is worth a pound of cure."

Nowhere is this saying more true than in the field of environmental protection. Pollution prevention, one of the top priorities for EPA in the '90s, aims both to conserve our finite natural resources and to prevent the generation and release of waste and pollutants.

In spite of the impressive gains achieved by environmental regulation in the last two decades, regulations alone are not the cure-all for pollution and waste. Nor can we continue to focus exclusively on "end-of-pipe" pollution control.

Pollution prevention encompasses many different activities that reduce or eliminate pollutants and waste at the source. These can include new technologies that save energy or other resources; product reformulation or substitution to use fewer toxic materials; and modifications and new processes or procedures that reduce pollution and better protect human health and environment.

Opportunities for pollution prevention abound in all sectors of economic life — in industry, agriculture, energy and transportation, in the design and use of consumer products, and in our homes, schools, offices, stores and factories.

We are proud to list these programs....

Individual Citizens

Whiteman AFB, Missouri
Scott Ammon, pollution prevention and recycling manager for Whiteman Air Force base, has initiated a comprehensive on-base recycling program, including a drop-off recycling center and a waste oil collection center.
Scott Ammon
351 CES/DEV
Whiteman AFB, MO 65305
(816) 687-7777

Chesterfield, Missouri
William Shirley is the author of *Legal Alert,* a bi-monthly magazine column about environmental regulatory information at the state and federal levels.
William Shirley
400 Chesterfield Center
Chesterfield, MO 63017
(314) 537-7851

Educational Institutions

Cedar Falls, Iowa
The Iowa Waste Reduction Center assists with waste reduction techniques to help manufacturers and businesses meet environmental regulations and reduce waste.
John Konefes
University of Northern Iowa
Cedar Falls, IA 50614-0185
(319) 273-2079

Lincoln, Nebraska
The *Household Waste Management: Yours, Mine and Ours* program is an educational resource for use with targeted audiences on managing household wastes, including hazardous wastes, with emphasis on proper disposal and pollution prevention.
Shirley Niemeyer
HE Bldg. TCD 203
Lincoln, NE 68583-0804
(402) 472-6319

Springfield, Missouri
The Household Hazardous Waste Project provides information about hazardous product identification, safe disposal and storage. The program assists communities in creating locally derived solutions to household hazardous waste problems.
Marie Steinwachs
1031 E. Battlefield, Suite 214
Springfield, MO 65807
(417) 889-5000

Environmental, Community, & Non-Profit Organizations

Manhattan, Kansas
The *Kansas Farm Bureau* has developed and is conducting a program to plug the estimated 500,000

abandoned water wells in Kansas. Property owners participated in 111 demonstrations in 85 counties during 1991.
Bill Fuller
2627 KFB Plaza
Manhattan, KS 66502
(913) 587-6000

Springfield, Missouri
The *4 R's Program* was designed for elementary students, with an emphasis on conservation of natural resources.
Ann Owens
1906 E. Vincent
Springfield, MO 65804
(417) 882-0289

Lincoln, Nebraska
The Children's Groundwater Festival was attended by more than 4,000 children and hundreds of state and national environmental educators. The festival provides hands-on learning about aquifers and groundwater pollution and ways to protect natural resources.
Susan Seacrest
P. O. Box 22558
Lincoln, NE 68542-2558
(402) 423-7155

Columbia, Missouri
Our Fragile Earth is an environmental education series to help junior high students understand the issues of recycling and energy resources.
Beth Pike
2100 I-70 Drive S.W.
Columbia, MO 65203
(314) 445-9920

Ottumwa, Iowa
The Southern Iowa Herbicide Education Program is designed to reduce contamination of public drinking water supplies in southern Iowa. The program works with local farmers, agricultural chemical companies, and area residents to help prevent and reduce contamination of drinking water in a 10-county area.
Paul Stueckradt
P. O. Box 1110
Ottumwa, IA 52501
(515) 684-6551

Kansas City, Missouri
The Composter's Project is an educational effort to help the public learn the basics of yard waste management. The project has been demonstrated to more than 20,000 individuals since August 1991.
Stan Slaughter
3517 Virginia
Kansas City, MO 64109
(816) 931-0742

Wahoo, Nebraska
The Spring Conservation Sensation was organized by local, state, and federal organizations to teach fifth-grade students about environmental problems and possible solutions.
Ann Youngberg
P. O. Box 126
Wahoo, NE 68066
(402) 443-4675

Cedar Falls, Iowa
The Cedar River Festival seeks to prevent pollution by honoring residents who help clean up the river. More than 27 tons of refuse has been removed from the river in the last four years.
Mark Fox
P. O. Box 114
Cedar Falls, IA 50613
(319) 296-2320

Ballwin, Missouri
The Missouri Water Well Association has initiated groundwater protection legislation in cooperation with the Missouri Department of Natural Resources. This pollution prevention effort has helped protect Missouri's groundwater and foster a positive working relationship with the state agency.
Earl Strehle
P. O. Box 2498
Ballwin, MO 63022
(314) 256-9590

Cedar Rapids, Iowa
The Indian Creek Nature Center has instituted a number of pollution prevention measures to reduce energy consumption by 40 percent. Energy saving lights, efficient windows, and photovoltaic units were installed to help save energy.
Rich Patterson
6665 Otis Road S.E.
Cedar Rapids, IA 52403
(319) 362-0664

Kansas City, Kansas
The Quindaro Ruins Preservation project was a grassroots effort to prevent construction of a municipal landfill on an area being considered as a possible national historic site.
NedRa Bonds
2243 Garfield
Kansas City, KS 66104
(913) 281-1385

Schuyler, Nebraska
The Schuyler Future Farmers of America have initiated an education program for high school students and adults about the protection of groundwater. The project has included well testing, research, and well plugging.
Matt Stuthman
Route 2
Schuyler, NE 68661
(402) 352-5838

Waverly, Iowa
The Waverly Light and Power Company made a five-year, $100,000 commitment to the Iowa Natural Heritage Foundation's Trees Forever Program to establish a community tree planting program that would affect direct energy savings.
Glenn Cannon
P. O. Box 329
Waverly, IA 50677
(319) 352-6251

Business, Industry, Trade/Professional Organizations

Marshalltown, Iowa
In 1989, Fisher Controls initiated a waste minimization program and expanded it to all media. *The Fisher Controls Pollution Program* set objectives for total elimination of all toxic air emissions and hazardous waste. Early success of the program resulted in substantial cost savings.
Kevin Nelson
205 S. Center Street
Marshalltown, IA 50158
(515) 754-3011

Lawrence, Kansas
Lawrence Low-Nox Project. The

stack gas scrubber system installed to reduce sulfur emissions on the Lawrence plant was the first retrofit of a U.S. coal-burning generating plant with a system designed to reduce nitrogen oxide emissions. Test results indicate a reduction of nitrogen oxides in the range of 40 percent to 60 percent with minimal effect on power generation.
Preston Tempero
P. O. Box 249
Lawrence, KS 66044
(913) 296-6488

St. Louis, Missouri
The Metal Reclamation System project involves a controlled thermal process to carbonize contaminants from power transformers without oxidizing or melting the metal. A zero-discharge separation system produces a clean, salable, metallic end product.
Charles Gillespie
9550 True Drive
St. Louis, MO 63132
(314) 423-9460

St. Louis, Missouri
The Monsanto Company has developed an *Environmental Annual Review* to report its environmental progress and problems each year. The Review has a comprehensive environmental data section with information on specific levels of emissions and reduction.
Stephen Archer
800 N. Lindbergh Blvd.
St. Louis, MO 63167
(314) 694-6955

St. Louis, Missouri
Monsanto's 90-Percent Emissions Reduction Initiative is designed to reduce toxic air emissions by 90 percent by the end of 1992, with the ultimate goal of zero emissions. The initiative has prompted the company to search worldwide for technology to reduce and eliminate manufacturing waste.
Stephen Archer
800 N. Lindbergh Blvd.
St. Louis, MO 63167
(314) 694-6955

El Dorado, Kansas
Texaco Refining replaced the vacuum jets on its vacuum distillation tower, which scrubs hydrogen sulfide. By removing hydrogen sulfide and burning off gas, the *Voluntary Air Emission Reductions Project* reduced volatile organic compounds by 587 tons per year.
R. L. Masica
P. O. Box 1121
El Dorado, KS 67042
(316) 321-8194

Muscatine, Iowa
HON Industries developed a *Wood/Cardboard Waste Recovery: Pellet Project* to turn wood scrap into wood pellets for burning. Densified wood pellets are an environmentally acceptable fuel source because of extremely low emission factors and residue.
Joseph Auge
P. O. Box 499
Muscatine, IA 52761-0499
(319) 262-7865

Mound Valley, Kansas
The Ultrasonic Detoxification of Halogenated Organics in Water Project involves ultrasonic destruction of hazardous, halogenated organic wastes in water.
James Soodsma
62 East First Street
Mound Valley, KS 67354
(316) 328-3222

Davenport, Iowa
Under the *Reduce Perchlor Ethylene Consumption 90% by 1992 Project*, Alcoa's cross-functional task team achieved an average consumption of 2,734 gallons per month, an 84 percent reduction from the 1988 base of 16,583 gallons per month.
J. Loete
P. O. Box 3567
Davenport, IA 52808
(319) 344-3043

Topeka, Kansas
Kansas Electric Cooperative, Inc. instituted a regulatory compliance program to assist member cooperatives with federal, state, and local environmental laws and regulations.
Lester Murphy, Jr.
P. O. Box 4267
Topeka, KS 66604-0267
(913) 478-4554

St. Louis, Missouri
The Metropolitan Manufacturers Association is involved in pollution prevention projects such as waste minimization, recycling, product/raw materials substitutes and process/equipment changes.
William Schuchman
P.O. Box 21734
St. Louis, MO 63109-0734
(314) 772-4357

Newman Grove, Nebraska
The Farmers Co-op Oil Company pollution prevention activities include junk battery collection, grain dust pollution control, a liquid fertilizer containment center and underground tank replacement.
Allen Schroeder
Newman Grove, NE 68758
(402) 447-6292

St. Louis, Missouri
Anheuser-Busch has installed an anaerobic system to treat high-organic strength wastewater at two of its breweries. The treatment process uses 70 percent less energy and generates about 60 percent less sludge.
Larry Keith
One Busch Place
St. Louis, MO 63118
(314) 577-4163

Federal, State, and Local Governments

Whiteman AFB, Missouri
The 351st Strategic Missile Wing created an *Environmental Engineering Flight* with the responsibility for preventing pollution and enhancing base and community natural resources. This organization achieved and maintained zero notices of violations from regulatory agencies and established numerous pollution prevention procedures.
Captain Eric Wilbur
351 CES/DEV
Whiteman AFB, MO 65305
(816) 687-6347

Kansas City, Missouri
The *U.S. Department of Energy's Kansas City Plant* established a pollution prevention program in

1985 with emphasis on reducing solvent usage. Efforts were expanded in 1990 to include reductions of chlorofluorocarbon and chlorinated hydrocarbon solvent usage and other emissions.
David Caughey
P. O. Box 410202
Kansas City, MO 64141-0202
(816) 997-3449

El Dorado, Kansas
The El Dorado Public Utilities Department increased its infiltration and inflow system and reduced energy use at the plant. They also use the Insituform process in areas where it would be cost-effective compared to replacement.
Richard Porter
P. O. Box 792
El Dorado, KS 67042
(316) 321-9100

Overland Park, Kansas
The Johnson County Unified Wastewater Districts have undertaken a public and private *Infiltration and Inflow Removal Program* to improve flow and reduce backups. The improvements reduce discharge of untreated wastewater to area streams, businesses, and residences.
John Metzler
10881 Lowell, Suite 100
Overland Park, KS 66210
(913) 338-1300

Wichita, Kansas
Project 33/50 is a group of 25 companies and McConnell AFB in the Wichita/Sedgwick County area that have voluntarily agreed to reduce chemical emissions. Project 33/50 has committed to a collective reduction of 32 percent of reportable chemicals by 1992 and 90 percent by 1995.
Jack Brown
1900 E. 9th
Wichita, KS 67214
(316) 268-8351

Lincoln-Lancaster County, Nebraska
The Special Waste Program minimizes the risk to public health and the environment by assuring that special and hazardous wastes are handled properly by local businesses and government agencies through a waste review and permitting process.
Scott Holmes
2200 St. Mary's Avenue
Lincoln, NE 68502
(402) 471-8000

Osage, Iowa
The Demand Side Project, started in 1974, has become an important economic development program for the city as well as an environmental model for the nation. This energy demand management program saved the community of Osage an estimated $1.2 million in energy costs in 1988.
Weston Birdsall
P. O. Box 207
Osage, IA 50461
(515) 732-3731

Des Moines, Iowa
The Waste Reduction Assistance Program provides technical assistance in pollution prevention to industry. Workshops on pollution prevention are conducted and technology transfer is promoted through state and federal assistance programs. More than 40 facilities had been served by the end of 1991.
Larry Gibson
900 E. Grand Avenue
Des Moines, IA 50319-0034
(515) 281-8927

Des Moines, Iowa
The Iowa Building Energy Management Program helps public and non-profit agencies make energy improvements. The program has created innovative approaches to providing technical and financial assistance to Iowa's state agencies, schools and non-profit organizations.
Roya Stanley
Wallace Bldg.
Des Moines, IA 50319
(515) 281-6682

Iowa City, Iowa
Iowa's Agricultural-Energy Environmental Initiative involves a consortium of state and federal agencies and institutions that developed a program to address pollution prevention in agriculture. The goal is improved farm management practices that reduce environmental impacts of Iowa agriculture, reduce consumption of energy resources and enhance profitability.
George Hallberg
123 N. Capitol
Iowa City, IA 52242
(319) 335-1575

Topeka, Kansas
The Healthy Kansas, Healthy Kids Environmental Awareness Project was designed to encourage preschool through third-grade children to develop an awareness of and appreciation for their environment.
Jenny Ransom
900 S.W. Jackson
Topeka, KS 66612-1290
(913) 296-1229

Jefferson City, Missouri
The Special Area Land Treatment Program allows local soil and water conservation districts to target small watershed areas for conservation treatment.
Steve Taylor
P. O. Box 176
Jefferson City, MO 65102
(314) 751-4932

Topeka, Kansas
The Kansas Department of Health and Environment annually sponsors a $150,000 competitive grant program for local governments to conduct household hazardous waste collections or establish permanent collection facilities.
Kathleen Warren
Forbes Field, Bldg. 740
Topeka, KS 66620
(913) 296-1611

Jefferson City, Missouri
Missouri's Poultry Initiative protects natural resources in areas of the state experiencing high economic growth related to the poultry industry. The initiative encourages protection of surface water and groundwater and promotes efficient use of crop nutrients while also encouraging sustainable economic growth.
Betty Gagnon
P. O. Box 176
Jefferson City, MO 65102
(314) 751-7144

Lincoln, Nebraska
The 5% Dollar and Energy Saving Loan Program makes low-interest loans available to five targeted sectors of Nebraska's economy to help finance energy improvements.

Bonnie Ziemann
P. O. Box 95085
Lincoln, NE 68509
(402) 471-2867

Independence, Missouri
The HAZMIN Program goal is to review all waste streams to eliminate, reduce or minimize the toxicity of wastes at the Lake City Army Ammunition Plant. In 1991, hazardous waste generation was reduced by 21.9 million pounds and solid waste by 3.6 million pounds.

Lt. Col. Joseph Daves
Lake City Army Ammunition Plant
Independence, MO 64051-0330
(816) 796-7111

PROMOTE POLLUTION PREVENTION

EPA Region 7 is promoting pollution prevention programs in its four-state area of Iowa, Kansas, Missouri and Nebraska. If you want to share your pollution prevention program or project, please send a summary of your activities to the Office of Public Affairs, EPA Region 7, 726 Minnesota Avenue, Kansas City, Kansas 66101. The summary should be prepared on a single sheet of 8-1/2x11-inch paper, in the following order:

1) **Title of project or activity.**
2) **Name, address, and telephone number (home/work) of the individual coordinating the project.**
3) **Names, addresses, and affiliations of major project participants.**
4) **Names of organizations/individuals that helped the project and a description of how they helped (for example, a company that provided funding for a school recycling project).**
5) **Project dates (beginning, ending or ongoing).**

The telephone number for the Region 7 Office of Public Affairs is 1-913-551-7003. The Region 7 toll-free Environmental Action Line is 1-800-223-0425.

Environmental Protection Agency
726 Minnesota Avenue
Kansas City Kansas 66101

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