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Executive Summary

It is my pleasure to submit the Division of Compliance Assistance's (DCA) Fiscal Year 2013 Annual Report. This report will provide an insight into the efforts our staff has taken to encourage environmental stewardship and enhance the quality of the Commonwealth's environment. Moving forward! Two small words that are usually easier said than done and a theme that correctly describes the efforts of the division and its staff over the past fiscal year. We have faced numerous challenges this year, but have managed to overcome them and move forward to make the Commonwealth a better place to live, work and play.

As in years past, budgets continue to tighten. Sometimes during periods of economic uncertainty, the environment can take a backseat, so proactive services like DCA's become more valuable. Our staff has managed to provide quality service to our clientele despite the squeeze of resources and turnover in staff. Our challenges present exciting opportunities and allow staff to stretch their creative wings in order to come up with cost-effective ways of providing information and services. For instance, with training budgets being slashed, the division has begun to develop self-paced learning modules that allow people to access information from their desktop. There have also been enhancements to electronic applications for the certification program and efforts to cross train staff to better serve our clients.

While reading this report, you will not only see the accomplishments of the division, but also those of other individuals and organizations that are making a difference in the air, water and land resources of the Commonwealth. The division makes an effort to recognize positive environmental efforts, and as a result, we presented eleven awards during this fiscal year. These awards included the first annual Steve Crosman Award for Outstanding Environmental Professionalism for service above and beyond of what is required of an operator, the Eco-Art Awards for high school students who express environmental concepts through their artwork and the Department for Environmental Protection's (DEP) Environmental Excellence Awards for voluntary environmental efforts.

As we move forward into Fiscal Year 2014, the division will look to fund its first brownfield cleanup projects through the Kentucky Brownfield Redevelopment Program's Revolving Loan Fund, enhance tracking and reporting on the sustainable/environmental projects conducted through the KY EXCEL program, develop more self-paced learning modules through the Environmental Compliance Assistance Program and introduce a new e-learning format for compost operations through the Certification Program.

In closing, I would like to say thank you to the staff for their hard work and dedication. We look forward to whatever challenges and opportunities lie ahead and serving our clients as effectively and efficiently as possible.

Julia Kays, Assistant Director Division of Compliance Assistance



Mission

The Division of Compliance Assistance exists to provide services that increase environmental knowledge and change behaviors. We do this to improve regulatory compliance, achieve exceptional performance and enhance the quality of Kentucky's environment and communities.



The Division of Compliance Assistance will influence environmental stewardship throughout Kentucky. Kentucky's citizens will routinely trust the division as an important source of accurate and timely environmental information. Our proactive and innovative efforts will inspire others to take positive actions that improve the health of our citizens and enhance the quality of our environment.



Certify qualified environmental professionals.

We will certify select environmental professionals to maximize appropriate actions and effective operations at regulated locations.

Help entities comply with Kentucky's environmental requirements.

We will assist and educate regulated entities so they understand and comply with their environmental obligations.

Facilitate environmental stewardship.

We will assist, educate and encourage Kentucky's citizens so they make informed choices that value Kentucky's environment and create healthier, stronger communities.

Certifying Professionals

Ensuring Qualified Operators

Most people wouldn't consider visiting a doctor who hasn't earned the proper credentials. However, most people don't think about such qualifications when it comes to the professionals who treat, distribute and collect water and those in charge of solid waste operations. Certified operators are pivotal to public health and the environment. The Kentucky Certification and Licensing Branch certifies those in charge of drinking water, wastewater and solid waste facilities to ensure that those in responsible charge have the knowledge and experience to protect our natural resources and the citizens of the Commonwealth.

Administration

Each year, the staff of the Certification and Licensing Branch spends thousands of hours processing and reviewing applications submitted from drinking water, wastewater and solid waste operators. A thorough administrative review is conducted on each application to ensure that the individual meets the minimum educational and experience requirements for the level of certification requested. During FY 2013, the branch received 815 applications from operators seeking to take a certification exam.

Board Support

The Kentucky Board of Certification of Water Treatment and Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators serve in an advisory capacity to the agency on implementation of the operator certification program. The board duties include reviewing applications, reciprocity requests, proposed regulation revisions, third-party training submittals and operator disciplinary action requests. During FY 13, the boards reviewed 96 Class IV certification examination requests and one new referral for potential operator disciplinary action.

Involvement

Our Operator Certification Program continues to actively promote the importance of operator certification in Kentucky, as well as nationwide. Staff participate in various conferences throughout Kentucky as well as the annual Association of Boards of Certification Conference. Staff members participated in high school career fairs to discuss the importance of properly treated water and effective waste management. It is vital to introduce the younger generation into this profession. In addition, the Kentucky **Operator Certification Program initiated** conversations with the United South & Eastern Tribes, Inc. (USET) to provide training materials and testing opportunities for solid waste certification to their member tribes. We look forward to continuing this possibility in FY 2014.

Renewal

The wastewater renewal cycle took place during this fiscal year. Postcards were sent to 2,200 certified wastewater operators reminding them of the renewal cycle. The division also issued 1,850 wallet cards for drinking water and wastewater certification renewals submitted to the program. Electronic submittal continues to be popular and effective for operators and our staff. Over 41 days of administrative processing time was saved because of the streamlined process.

Certification

During FY 2013, the Operator Certification Program administered 900 exams that resulted in the issuance of 266 new wastewater licenses, 296 new drinking water licenses and 78 new solid waste licenses. The drinking water program had a pass rate of 76 percent, the wastewater program had a pass rate of 66 percent and the solid waste program had a pass rate of 98 percent.

Training

The Certification and Licensing Branch provides training to the Commonwealth's drinking water, wastewater and solid waste operators. Both certification classes and continuing education classes are offered across the state. Topics range from new technologies, permits, regulatory requirements and issues related to water and wastewater treatment and distribution and solid waste management. In FY 13, the program conducted 36 training events worth more than 500 credit hours and had 1496 participants. The boards reviewed 268 submittals from third-party training providers and approved 1734 education hours.

First Annual Steve Crosman Award



Left: Susan Butts Right: Steve Crosman, an integral part of DCA's Operator Certification Team will be remembered for his dedication through the annual Steve Crosman Award.

The Kentucky Division of Compliance Assistance was pleased to announce the winner of the first annual Steve Crosman Award for Outstanding Environmental Professionalism. Susan Butts, supervisor at the Augusta Regional Water Treatment Plant and former lead operator for the City of Falmouth Water Treatment Plant, received the award from Julia Kays, assistant director of DCA.

Butts, who holds certifications in Class IV-A Drinking Water Treatment, Class III Distribution and Class I Wastewater Treatment, was nominated by each of the two plants where she has worked.

The Steve Crosman Award for Outstanding Environmental Professionalism is presented in honor of Steve Crosman, a trainer with the Certification and Licensing Branch of DCA, who passed away in December 2011. Steve devoted himself to ensuring safe water for Kentucky by making sure he did his best to assist and train operators. The purpose of the award is to recognize those individuals who value professionalism in their work and see the importance of providing quality service to the citizens of the Commonwealth.

Susan Butts has devoted most of her professional life to the Water Treatment profession, having spent 22 years at the Falmouth plant and 12 years at the Augusta facility. In 1997, when a major flood hit Falmouth, she lived at the flooded plant for more than a month in order to work closely with officials to clean up and reestablish safe drinking water for the city.

Butts has created an education program through the Augusta Independent Schools to conduct tours of the plant, while educating students about proper environmental techniques to treat and conserve potable water. Since Butts has been a supervisor, there have been no Notices of Violation at the Augusta Water Treatment Plant.

Simplifying Compliance

Helping Entities Comply

Environmental regulations can be confusing, and complying with those regulations takes time and resources. For those who feel a bit overwhelmed, confused or are tasked with compliance on top of their other everyday tasks, the Environmental Compliance Assistance Program (ECAP) offers support. Our staff works with individuals, businesses and organizations on a variety of issues from air permit compliance to waste disposal. The ECAP staff also works closely with Economic Development to help people interested in locating or expanding businesses here in Kentucky. This helps make the transition to the Commonwealth smoother so the entity can concentrate on growing its business and creating jobs for our citizens.

Assistance

On a given day, the staff of the Environmental Compliance Assistance Program can receive calls asking for an answer to a simple, quick question or the request for in-depth, one-onone assistance. Each month we average 74 calls for assistance with 59 percent dealing with air and water issues. The brownfield program responded to 132 requests. Overall, the branch responded to assistance requests from callers from 95 counties.

Incentives

Many times, being proactive can help entities avoid environmental penalties, but some are afraid to approach the department for assistance. Others are skeptical of an assistance program housed within DEP. The ECAP program has the ability to use enforcement discretion and work proactively with clients who wish to correct issues. The program can help customers who want to utilize the selfaudit privilege to self-disclose environmental

violations.

Regulations

The U.S. Environmental Protection Agency (EPA) finalized amendments to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Area Sources, commonly known as the Area Source Boiler Rule, on Feb. 1, 2013, and for stationary reciprocation internal combustion engines (RICE) on Jan. 14, 2013. ECAP staff spent a considerable amount of time helping clients comply with these finalized rules, including issues surrounding natural gas RICE engines and permitting of those engines. Staff also presented at several industry organization meetings regarding the rules and how to comply.

Anytime Learning

In rougher economic times, time and money for travel are difficult to come by, yet there is still a need to supply information to the regulated community. In an effort to help keep costs down, but provide the information entities need to keep permits in check, the Division of Compliance Assistance, with the aid of the other divisions of the department, started producing self-paced learning modules that can be accessed anytime you need a refresher. The first venture was a series of modules for the Annual Compliance Certification required for entities with air permits. The division will still continue to host on-site training, but will start supplying information in digital formats, as well.

Outreach to Organizations and Industry

Whenever regulations change or questions arise from a sector that is struggling with environmental issues, outreach is the key to help them stay in compliance. This year, the Environmental Compliance Assistance Program provided informational sessions to the Kentucky Forest Industries Association and the Ohio Valley Lumber Drying Association on the newly finalized RICE Rule revisions. Staff also worked with clients on the revised Boiler MACT regulation.

The division, along with the Division for Air Quality, also performed outreach regarding DEP's Guidelines for Permanent Pharmaceutical Take-Back Programs. This document, meant to help hospitals, law enforcement and other organizations properly collect, handle and dispose of household hazardous waste, covers information ranging from disposal in landfills to incineration guidelines.



Emily Ohde assists ACC Open House participant, Dotty Graff, with understanding the reporting requirements.

"Emily Ohde has been a life saver. She has helped me throughout the application/calculation process. I could not have completed my task without her." - *Quote from anonymous ECAP client through postservice survey*.



Division Training and Education









Reaching out to regulated entities to offer opportunities to learn about the regulatory landscape is a proactive strategy that can prevent problems before they start. Training took a variety of forms this year. From open house events to classroom events, the division sought to arrange trainings that were relevant and accessible to the audience. Outside of the Operator Certification Program, the division held 16 training events, trained 392 people, provided 46 training hours and had a 94 percent satisfaction rate.

ACC/SAMR Open House

Each year, entities with air permits must do an annual and semiannual compliance monitoring report. In an effort to help those who were unfamiliar with the process, the Division for Air Quality and the Division of Compliance Assistance teamed up to host the firstever air permit reporting open house. Nineteen entities made their way to Frankfort to get one-on-one assistance on the annual report document.

NetDMR

In an effort to make discharge monitoring reporting easier for those with KPDES permits, Kentucky adopted the EPA's NetDMR system which allows permittees to report their data via the web database system. In order to prepare entities for the roll out, DCA's Environmental Compliance Assistance Branch and Certification and Licensing Branch held training events across the state. Through the course of six training events, 257 people were trained on the new system. Certified drinking water and wastewater operators were able to receive continuing education credits for attending the events.

Lighting Workshop

KY EXCEL offered its members a workshop on new lighting requirements and technology improvements. Attendees of the lighting workshop were given a crash course about legislation impacting the lighting industry and on the current state of bulb technology. Speakers also educated participants on the future of LEDs and suggested ways to finance lighting improvements at their facilities.

Top: Chad Von Gruenigen assists a client during the ACC/ 10 SAMR Open House event held in January. *Middle:* Attendees of the NetDMR class consult information given to them in the course training packet. *Bottom:* Fred Byrd

Living Greener

Facilitating Environmental Stewardship

Even though our division has the term compliance in it, we really strive to help people go above and beyond compliance to become stewards of the environment. Each day, businesses, communities and individuals make choices that have longlasting impacts on our social, economic and environmental well-being. Through education and outreach, we work to help people make informed and responsible decisions, whether it be choosing energy-efficient lighting systems, streamlining a wastewater system for efficiency or bringing a contaminated property back to life. Our staff is here to help make a difference.

Brownfields

For many years, brownfield redevelopment was almost always the exception to the rule in Kentucky. Uncertainty, liability concerns and financial constraints served as redevelopment road blocks.

Recognizing the fact that people were not aware of the benefits, processes and funding mechanisms involved in land revitalization, the Kentucky Brownfield Redevelopment Program has developed a robust lineup of quality educational services and one-on-one support for private and public entities wishing to clean up and reuse properties with an environmental past.

This year, the program continued to develop services that can help an entity with a project from start to finish, including expanded liability protections and funding mechanisms for cleanups.

KY EXCEL

KY EXCEL, the state's voluntary environmental leadership program, offers in-depth, site-specific assistance. Our ultimate goal is to help increase compliance and understanding of environmental regulations and to notify and train people on these rules.

This year, the KY EXCEL staff has been busy promoting the positive environmental changes our members have made. We visited five distilleries, gathering information for the Sustainable Spirits Best Management Practices Manual. The staff also continues to highlight member leadership efforts through case studies. The program produced seven new case studies this year. Each one includes a project description, economic value, challenges and advice, benefits and stewardship meaning.

Staff offered educational opportunities and outreach services at a variety of events held by KY EXCEL members and other partner organizations. KY EXCEL staff attended meetings held by Wyatt, Tarrant and Combs, Bluegrass Greenworks, R.C. Bigelow and the Kentucky Association of Manufacturers.

KY EXCEL hosted its annual members' meeting on Oct. 8, 2012. At the meeting, several members discussed their projects, program highlights were shared and possible program changes were discussed.

Liability Addressed Through MOA and Regulations

To continue to revitalize an estimated 8,000 brownfields in the Commonwealth, DEP and the Kentucky Brownfield Redevelopment Program worked with EPA Region 4 to establish a Memorandum of Agreement (MOA) designed to support and strengthen efforts to achieve cleanups that are protective of human health and the environment through the appropriate use of the Kentucky Voluntary Remediation Program. Through this agreement, each agency's role is clarified and there is a degree of additional liability protection for developers whose cleanups are approved through the state voluntary cleanup program.

In 2012, the Kentucky Department for Environmental Protection worked with the legislature to introduce House Bill (HB) 465. The bill, now codified as KRS 224.1-415, encourages property redevelopment by providing a mechanism for the state to work with prospective property owners to remove liability obstacles and decrease uncertainty about future liability. In 2013, the Division of



Herb Petitjean and Jim Kirby speak with local officials from Shelbyville and Shelby County.

Waste Management has put the regulation into action and shepherded several properties through the process.

Building the Framework for Environmental Leaders

During the Governor's Conference on Energy and the Environment in October, presentations were made to the six recipients of the 2012 DEP Environmental Excellence Awards. Through this awards program, the efforts and activities of individuals, businesses and organizations that are committed to protecting and improving Kentucky's environment are recognized.

KY EXCEL Champion Award: Leggett & Platt-Winchester Spring-Winchester

Community Environmental Luminary Award: The Arboretum, State Botanical Garden of Kentucky–Lexington

Resource Caretaker Award: Matthew Addison-Louisville

Environmental Pacesetter Award for an Individual/Organization: Meg Hancock-Paducah

Environmental Pacesetter Award for a Small Business: The Bread Box-Lexington

Environmental Pacesetter Award for a Medium to Large Business: G & J Pepsi-Cola South Division–Lexington



Brownfield Program Working Beyond Kentucky's Borders



Left: Speaking to EPA Region 4 brownfield grant recipients at the New Grantee Workshop in Atlanta, Amanda LeFevre imparts the importance of outreach and communication for successful project completion. *Right:* Shawn Cecil speaks to an attendee of the Economic Redevelopment Forum at the Brownfields 2013 Conference.

In the not-so-distant past, the Kentucky Brownfield Redevelopment Program was a small production that had an uphill battle in getting Kentucky's communities to redevelop properties with an environmental past. Through outreach, education and incentive and liability protection development, it has become a program of which others are taking notice.

Regional and National Conferences

The brownfield redevelopment program in Kentucky has always stressed public participation and outreach. During the 2012 New Brownfield Grantee Workshop in Atlanta, Amanda LeFevre was asked to speak to a roomful of fledgling grantees about how to design an outreach program for successful brownfield projects. Herb Petitjean, program coordinator, was also asked to speak at the conference regarding Revolving Loan Fund Programs.

At Brownfields 2013, the national brownfield conference, Amanda LeFevre was a featured speaker during a town hall panel that focused on state program innovations. She highlighted Kentucky's grant writing assistance program and outreach strategy that have been implemented over the past seven years. Kentucky also sponsored a booth at the Economic Redevelopment Forum (ERF) held in conjunction with the conference. During the ERF, attendees could speak to state delegates about programs and incentives available in that state.

ASTSWMO

The Association of State and Territorial Solid Waste Management Officials (ASTSWMO) is a nonprofit organization that facilitates information exchange between state program peers. Amanda LeFevre was asked to join **ASTSWMO's National Brownfield Focus** Group in April and will represent Region 4 on the panel for three years. Wes Turner, part of the Kentucky Superfund Branch, sits on the State Superfund Focus Group. In 2014, the two focus groups will work together to hold a redevelopment symposium that will draw attendees from across the country and focus on ways brownfield programs and superfund programs can work together to encourage 13 successful property redevelopment.

Leading By Example

Recognizing and promoting environmental leaders in the Commonwealth is one way we inspire others to care for the environment. Through our case studies, we have provided examples for others to follow. Look at these organizations and the way they have taken steps to make the environment their priority



Jim Beam-Clermont

When it was time to construct a new visitors' center at the distillery, the decision was made to go for LEED certification, using available materials and being sustainable.

Sag Hollow Golf Club

When an Owsley County community wanted to create jobs and boost its economy, leaders chose to clean up an old strip -mined area to build a golf course and home lots.





Keeneland

Officials focused on ways to conserve energy and water usage and cut waste, which also saved money for the race track.

Happy Hollow Landfill

The owners of an old landfill voluntarily cleaned up the property and put it into productive use as a much-needed motel for the community.





Heaven Hill Distilleries

Large facilities can create large amounts of waste, so the distillery began a massive recycling program that inspired its employees to recycle at home, too.

Sustainable Spirits

KY EXCEL staff partnered with the Kentucky Distillers Association (KDA) for outreach to the spirits industry on environmental stewardship initiatives. On Nov. 14, 2012, we held the third Sustainable Spirits Summit at Heaven Hill's Bourbon Heritage Center in Bardstown, Ky. At the summit, participants were shown a draft of the Sustainable Spirits Best Management Practices Manual. The manual lists the environmentally beneficial projects the participating distilleries and breweries are doing to enhance Kentucky's environment. After seeing the manual, KY EXCEL staff were invited to other distilleries to include their projects in the manual. Participants also discussed other relevant matters., such as NetDMR. Participants were shown the new software for submitting their discharge monitoring reports electronically. The draft Industrial Stormwater Permit was also covered. The new draft permit was reviewed, and participants were shown where they could make comments on the draft.

Spreading the Word



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	and -
Home About Us Contact Us Meet the Team	
Test Your Knowledge – Calculating Brake Horsepower	Sear
Posted on <u>341.9.2213</u>	
Now that you have had a chance to look over Calculating Brake Horsepower, try this problem for some practice.	
Problem: An elevated tank's water level is kept at 210 feet and you move 2.5 MGD of water through this tank using a pump that is 60 percent efficient. What is the beake	Kentucky Operator Certifica Program Website
horsepower of this pump?	RES - Parts
To check your answers, click.here.	Follow Us via Email
	Enter your small address to us and receive natifications
Proled in Glasten, Gelz, Educational, Tools I Teoperi distribution, skinking, water, math I J. Comment	new posts by email.
	Join 84 other followers
Calculating Brake Horsepower	
Posted on July 9, 2013	
Distribution operators must be able to calculate the amount of horsepower their pumps ar	Sign me upf
giving in certain conditions either water, brake or motor horsepower. In the problem	Tag Cloud
below, look at brake horsepower.	assistance Awards bacteri BOD calculations certifics collection communication
What is the holes homeocore (BUR) for a researce with the following parameters?	collection communication

Relaying our message regarding the latest state and federal regulations, tips on sustainable living and working and other environmental topics to all areas of the Commonwealth is accomplished through a variety of methods.

Through *Naturally Connected*, DEP's new blog, DCA provides information and updates that enable readers to stay informed and in compliance. We communicate through our bi-weekly e-newsletters, SNIPS and Green Dot, reaching more than 1,900 subscribers. Informative posts on our Facebook page draw readers to our site on a regular basis.

Regular visits and communication with trade associations and other organizations allows DCA to offer compliance tools and resources and discover the clients' issues and needs, as well as partner with these groups.

KY EXCEL Member Accomplishments

Over 2,200 projects have been completed by more than 62,597 people associated with the 187 KY EXCEL members. Thanks to them:



93 million mmBtu of natural gas and 30million kWh of electricity was saved



164 million gallons of water was saved.



1169,560 trees were planted



38 million pounds of paper and 2.2 million pounds of aluminum were recycled.

2012-13 Eco-Art Contest



In honor of Earth Week, the division sponsored the fourth annual Eco-Art Contest. Open to Kentucky high school students who created art using the contest themes of conservation, environmental protection and pollution prevention, the purpose of the contest was to encourage students to think about the environment and inspire them to reflect their thoughts on the environment in their artwork. Students were encouraged to submit artwork using mediums of drawing, painting, print work, sculpture, mixed media and photographs.

The winning 2012–13 Eco-Art Contest high school artists received their awards at their respective schools. Artwork from the contest winners is displayed in the DEP Training Center, where it will be viewed by hundred of visitors.

The winners of the 2012–13 Eco-Art Contest are Diana Pickett from Pleasure Ridge Park High School in Louisville; the students in Jennifer Spade's art classes at Paul Blazer High School in Ashland; and Taylor DeWeese, Haley Hunt and Alexis Mijares from Metcalfe County High School in Edmonton.

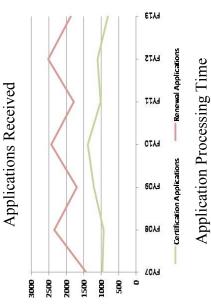
Artwork listed from top to bottom, left to right: "Hypnotic Nature" by Haley Hunt, "Purple" by Alexis Mijares, "O Say Can You Save Our Seas" by the art students from Paul Blazer High School, "Too Scarce to Waste" by Diana Pickett and "Together as One" by Taylor Deweese.

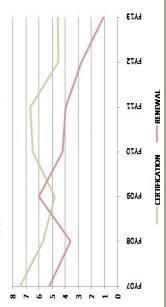


Operator Certification Program 2013 Dashboard

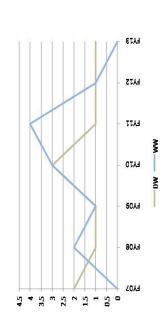


Administration



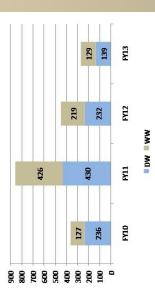


Disciplinary Actions

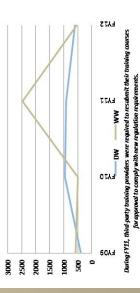


Certification Board

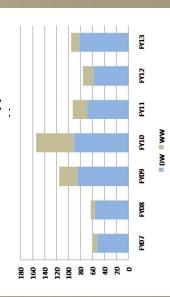
Training Requests Reviewed by the Boards



Training Hours Approved by the Boards

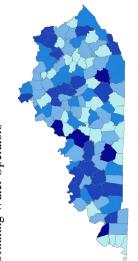


Board Review-Class 4 Applications

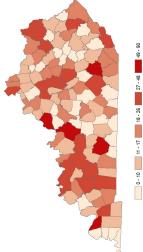


Operator Availability

Drinking Water Operators



Wastewater Operators

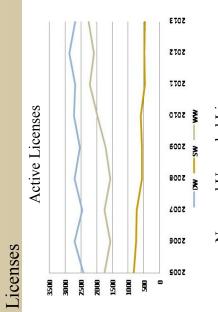


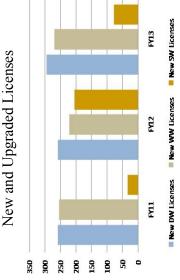
Solid Waste Operators

Operator Certification Program 2013 Dashboard

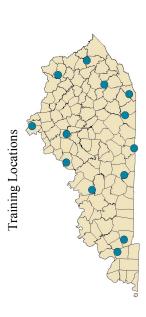


dca.ky.gov 800-926-8111

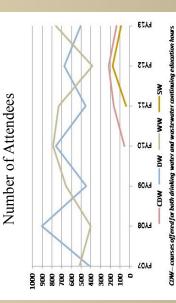




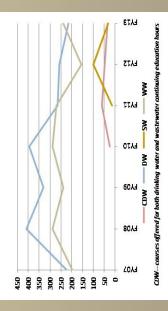
Training Availability



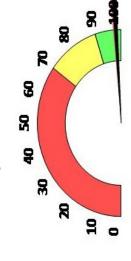
Training



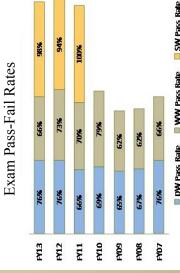
Number of Training Hours Provided



Training Attendee Satisfaction



Testing



🔳 DW Pass Rate 🛛 🛯 WW Pass Rate 🔄 SW Pass Rate

DCA did not begin to certify Solid Waste Operators until January

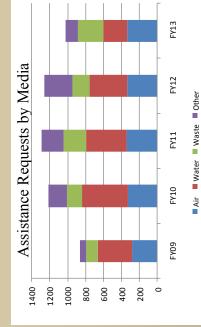
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3001 100%	¥00E	300%	9626	75%			81%	Const.	270	85%		80%		87%	2 Marca	1/78			100%	73%		anc	75%		80%	20%		%00E	300E	71%		69 %		37%	300%	20%	300%	19%	75%
SW Landfill Operator/Manager	SW Landfill Manager	SWLandfill Operator	SW Landfarm Operator WW Treatment 4-OIT	WW Treatment 4 25%	WW Treatment 3-OIT	WW Treatment 2-OIT	WW Treatment 2	WW Treatment 1-OIT	ww treatment 1	WW Collection 4	WW Collection 3-OIT	WW Collection 3	ww Callection 2-OIT	WW Collection 2	WW LORECTON L-UI	WW Collection 1	DWTreatment 48-OIT	DW Treatment 4B	DW Treatment 4A-OIT	DW Treatment 4A	DW Treatment 38-OIT	DW Treatment 30-OIT	DW Treatment 3A	DWTreatment 2BD-OIT	DW Treatment 2BD	DW Ireament 2A-01	DWTreatment 180-OIT	DWTreatment 1BD	DW Treatment 1AD-OIT	DW Treatment 1AD	DW Distribution Class A.OT	DW Distribution Class 4	DW Distribution Class 3-OIT	DW Distribution Class 3	DW Distribution Class 2-OIT	DW Distribution Class 2	DW Distribution Class 1-OIT	DW Distribution Class 1	Bottled Water

Compliance Assistance 2013 Dashboard

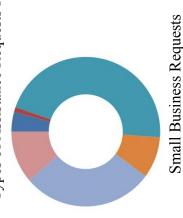


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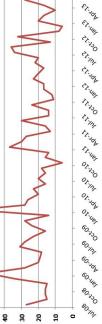
Assistance Requests



Types of Assistance Requests FY13



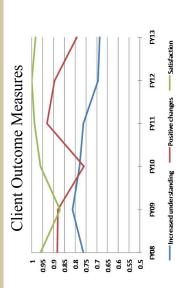
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Detailed Assistance

Total Detailed Assistance





Detailed Assistance Types FY 13

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22401

Apr-12

SI-nel

11-100

101-11

TT-Jdy ττ-uer 07-100

01-101 Apr-10 ot-nel

60-120 60-101

60-1d4 60-uer 80-120 80-101

Client Behavior Changes

Other:

Implemented or changed recycling... Implemented or changed energy...

Reformulated a raw material/product



Regulatory=293

Technical=116

Permitting =92

40

30 35

25

20

15 10

ŝ 0

Submitted a permit/registration...

Changed recordkeeping procedures Installed more efficient process... Installed a control device(s)

Changed reporting procedures Made material substitutions

Permit Application Assistance = 22

Information Transfer = 7

Econ. Development=11

Complaint=44

Ornbudsman=0

Other=471

Notification=0

CP=1

Recordkeeping Assistance = 9 Regulatory Assistance = 12

Permit Assistance = 25 Onsite Assistance = 23

Technical Assistance = 11

Training

9 events held



Training Attendee Satisfaction



8 9 0

30 class hours

F

8

8

R

8

8

\$

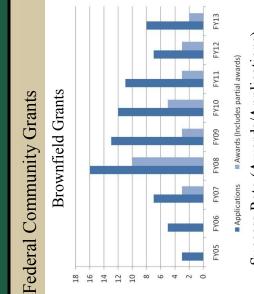
8

trained

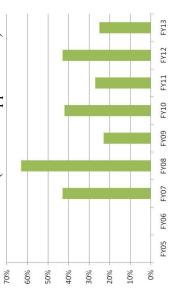
305 people

Kentucky Brownfield Redevelopment Program 2013 Dashboard

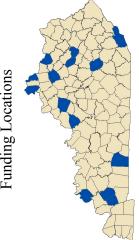


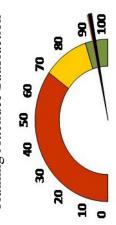


FY12 FY13 Success Rate (Awards/Applications) FY11 FY10 FY09 FY08 FY07 FY06 FY05



Funding Locations







10 class hours

46 people trained





6 events held



Training

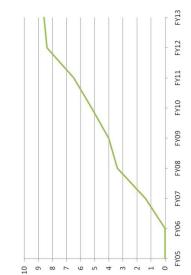
Cumulative Funding Awarded (millions) Total Funding

Brownfield Help Desk Requests

250

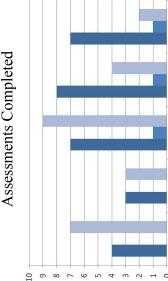
200

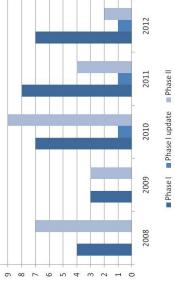
Technical Assistance Requests



FY13

FY08 FY09 FY10 FY11 FY12 FY07 FY06 0 150 100 50





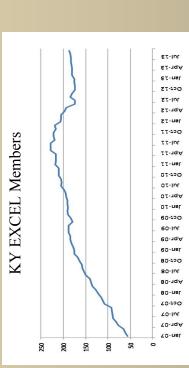


2013 Dashboard KY EXCEL

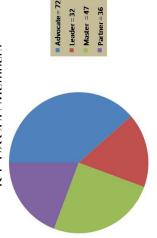


800-926-8111

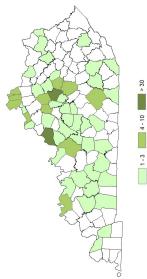
KY EXCEL Membership



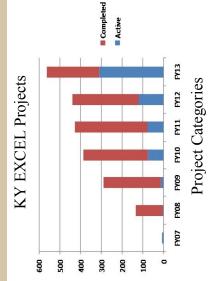


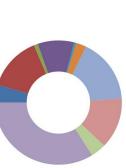


KY EXCEL Membership



Member Projects







Program Achievements

Member Investments

Hours Spent	1,162,501
Dollars Spent	\$115,531,400
People Involved	62,597

Select Member Results



38 million pounds of paper, 2.2 million pounds of aluminum and 3.1 million pounds of plastic recycled



Mentoring and Technical Assistance=23

Conservation=105

Education=316

Performance Improvement=209 Research and Development=60 Resource Efficiency=378 Resource Support=298 Waste Reduction=764

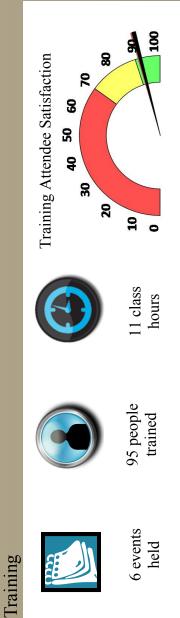
Public Health=12

35 million kWh electricity, 93 million mmBtu natural gas and 164 million gallons of water conserved



www 71,204 people trained

Restoration-88



Contact Information: Division of Compliance Assistance 300 Fair Oaks Lane Frankfort, KY 40601

> Phone: 502-564-0323 E-mail: envhelp@ky.gov Fax: 502-564-9720

