

CLOSED Loop

Spring'03

PEER available online

**By Kristi Petersen and
Chris Horan**

Iowa Waste Reduction Center

During the last five years, Internet growth has made web-based software more cost effective than older methods in the delivery of information to interested parties (such as technical service providers and small businesses). Recognizing this trend, the IWRC, in addition to creating a stand alone computer program, has devised a web-based version of Program to Enhance Environmental Recordkeeping (PEER) to further adapt to the changing communication environment.

PEER, constructed to help simplify and improve small business' recordkeeping practices, has two main waste inventory components: waste and air emissions. With PEER online, the waste inventory component asks a company to input its quantities of wastes generated, storage amounts and times, and disposal methods for all of their hazardous, non-hazardous, and uncharacterized waste streams. The resulting waste inventory report provides the company with an overview of

its hazardous waste generator status. Additional reports from the waste inventory data include Spill Prevention Control and Countermeasure (SPCC) plan needs, wastewater, and emergency response posting. The air emissions component aids the company in maintaining its recordkeeping for possible air permit(s) purposes.

The new web-based PEER is located at www.iwrc.org/newpeer. This website has been piloted and reviewed by IWRC staff, and is ready for use by technical service providers and small businesses. The biggest advantage to a web-based product is the speed of delivery and modification. While PEER is currently ready for use, modifications and improvements will be made in the future to maintain and increase PEER's applicability.

In addition, a PEER User Guide is currently being designed as an instructional aid and will be available soon. For more information on PEER or the PEER User Guide, please contact Kristi Petersen or Chris Horan of the IWRC at 1-800-422-3109.

Tier II Reporting Accessible on the WEB

The March 1 deadline for State Reporting of Tier II chemicals to the Iowa Emergency Response Center, Local Emergency Response Center, and local fire department has passed, but the information and forms are easily accessible from the Iowa Workforce Development at <http://www.iowaworkforce.org/labor/serc.htm>.

The forms, directions, resources such as lists of chemicals or LEPC contacts, and links to electronically submit your facility's information are available at this website as well as frequently asked questions.

IOWA WASTE REDUCTION CENTER UNIVERSITY OF NORTHERN IOWA

WASTE REDUCTION WORKS FOR IOWA & IOWA

Process Training

offered every month

Each month the IWRC's Process Training program offers a free 2 1/2-day, "hands-on" training course covering a variety of painting and coating processes. As indicated in the course agenda (see information box), topics addressed range from pretreatment to liquid application to powder coating. If interested in attending, please contact Brian Gedlinske (gedlinske@uni.edu) or John Whiting (whiting@uni.edu) for training dates. For convenience, businesses are also welcome to send representatives to select portions of the training program.



Painting and Coating Process Training Program: Training Agenda

Day 1

7:45-8:00

Introduction

- ✓ Tour of facility

8:00-12:00

Pretreatment

- ✓ Cleaning, Phosphatizing and Process Control
- ✓ Equipment Review

12:00-1:00

Lunch

1:00-3:00

Intro to Application Equipment and Application Efficiency

- ✓ Air Spray, Hydraulic Atomization, Powder Coating
- ✓ Viscosity, Atomization and Finish Quality
- ✓ Transfer and Film Build Efficiency
- ✓ Spray Technique
- ✓ Recognizing Problem Areas and Improving Efficiency

3:00-5:00

Introduction to Coatings

- ✓ Coating Materials – Liquid and Powder
- ✓ Components, Properties, and Application
- ✓ Process Control/Troubleshooting

Day 2

8:00-11:00

Intro to Application Enhancement Equipment, Grounding and Powder Coating

- ✓ Electrostatics
- ✓ Grounding
- ✓ Hangers and Part Presentation
- ✓ Powder Coating Equipment – Hands-on

11:00-12:30

Lunch

12:30-5:00

Liquid Spray Application Equipment and Concepts

- ✓ Air Spray Equipment - HVLP and Conventional
- ✓ Equipment Setup
- ✓ Hands-on Spray Gun Setup and Operation

Day 3

8:00-11:00

Liquid Spray Application Equipment – Airless and Air-Assisted Airless

- ✓ Safety
- ✓ Tip Selection, Fluid Pressure and Air Pressure
- ✓ Hands-on Spray Gun Setup and Operation

news briefs

EPA TRI Workshop

By Lisa Hurban
*IWRC Waste Reduction
Specialist*

The US EPA will be hosting a Compliance Assistance Workshop on May 1, 2003 regarding Toxic Release Inventory Form R. The one-day workshop will be held from 8 to 4:30 p.m. at the Clarion Hotel in Cedar Rapids, IA. Reservations are necessary and a minimal fee will be charged.

This workshop will help businesses understand and accurately complete the Toxic Release Reporting required annually on July 1 for subject industries. Section 313 of

the Emergency Preparedness and Cleanup Responsibility Act requires specific businesses that use toxic chemicals above reporting thresholds and employ more than ten full-time employees (or the equivalent) to file an inventory form and identify pollution prevention measures to reduce the amount of the toxic chemicals released.

Please call (913) 551-7680 or (866) 844-4460 or visit www.mckinzieconstruction.com to register. Contact Lisa Hurban at the IWRC at (800) 422-3109 if you wish to know more about TRI reporting. If you have questions about the TRI workshops, please call Steve Wurtz, EPA Region 7, at (913) 551-7315.

Recent Awards

This winter, the Department of Toxic Substances Control recognized the IWRC for its exemplary work in promoting pollution prevention. Specifically, Rick Klein, a senior Research Technician at the IWRC, was commended for his key role in spray technique analysis and research for automotive refinishing spray technicians. This "National Prevention Week 2002 Award" was given to the IWRC in appreciation of the Center and Rick's efforts.

The American Technical Education

Association has named Raleigh Downey, instructor of Auto Collision Repair Technology at Western Tech Community College in Iowa, as the 2002 Northern Plains Region Outstanding Technical Teacher. Recognized for his outstanding achievement as an innovator, Raleigh worked with the IWRC on an experimental project that utilized a brand-new laser spray-painting technology. As a result, students enrolled in Raleigh's program have been exposed to some of the most advanced technology in the auto spray-painting industry.

New Dry Cleaner Manual Coming Soon

By Kristen Smart
*Waste Reduction Research
Assistant*

The Iowa Waste Reduction Center (IWRC), at the University of Northern Iowa, is updating their dry cleaning manual for distribution to all dry cleaning facilities in Iowa. In 1996, Dry Cleaning in the 90's, was published by the IWRC and distributed to interested dry cleaning businesses in Iowa. The Iowa Department of Economic Development (IDED) has partnered with the IWRC in developing an updated, revised and user-friendly version of this manual.

During the revising stage, all applicable hazardous waste and air emissions regulations will be inserted pertaining to perchloroethylene users (commonly known as perc), petroleum users, and environmentally free, GreenEarth users. In addition, a 24-month compliance calendar will be included in the manual. This easy to use calendar will allow a facility to calculate perc purchases, record the condenser temperature log, and will provide a checklist for monthly inspections. Dry cleaning facilities will be able to utilize this calendar for compliance with EPA and IDNR requirements for two years.

Once the manual is complete, it will be distributed to all Iowa dry cleaning facilities, free of charge. Dry cleaning facilities can look for the manual during the Fall 2003.

Save *the* Date

TechDays

Sponsored by Parker Ionics, Dove Equipment, Co., and the IWRC's Process Training Program

A Tech Days event, featuring powder coating equipment manufactured by Parker Ionics, will be held on May 7th and 8th at the IWRC's Painting & Coating Process Training facility. The two-day event is an opportunity for businesses to visit with industry experts, attend powder coating technical presentations, and review the latest powder coating equipment offered by Parker Ionics. Whether you are presently powder coating or thinking about starting a powder coating operation (metal or wood substrates), this event is sure to provide technical information beneficial to your process. For more details, contact Brian Gedlinske or John Whiting of the IWRC at 800-422-3109 or by email at gedlinske@uni.edu or whiting@uni.edu

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Iowa Waste Reduction Center
Creating Tools for Small Business

**SMALL BUSINESS POLLUTION
PREVENTION CENTER**

**SPRAY TECHNIQUE ANALYSIS
AND RESEARCH PROGRAM**

**IOWA AIR EMISSIONS
ASSISTANCE PROGRAM**

IOWA WASTE EXCHANGE

**MOBILE OUTREACH FOR
POLLUTION PREVENTION**

**POLLUTION PREVENTION FOR
PAINTING AND COATING
COMPLIANCE ENHANCEMENT**

Articles in



may be reprinted.

**As a courtesy, please
contact the IWRC.**

**Traci McCollom, Editor
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