

2013 Compliance Assistance Conference

Resources to Help You Reduce Waste, Save Money
and Achieve Compliance



Presenters

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Today's Outline

- What is OCAPP?
- OCAPP compliance assistance services/roles
- Compliance assistance examples
- 2012 accomplishments
- What is pollution prevention (P2)?
- P2 as a business & compliance tool
- Case studies (P2 success stories)
- OCAPP's P2 services
- The Clean Air Resource Center

What is OCAPP?

- Office of Compliance Assistance & Pollution Prevention
- Non-regulatory (**we're not inspectors!!!**)
- **Free & Confidential**
- One-stop shop for assistance





- **Central Ohio Contact**
 - Dan Sowry, (614) 728-8575
- **Northeast Ohio Contacts**
 - Adrienne LaFavre, (330) 963-1250
- **Northwest Ohio Contact**
 - Ron Nabors, (419) 373-3147
- **Southwest Ohio Contact**
 - Jim Pellegrino, (937) 285-6439
- **Southeast Ohio Contact**
 - Ralph Witte, (740) 380-5241

OCAPP in the District Offices

OCAPP Services

OCAPP does not share information about its customers with inspection or enforcement staff.

All services of the office are **FREE** and
CONFIDENTIAL

OCAPP Services



- Toll-free hotline: **(800) 329-7518**
- Specialists available from 8:00-5:00 M-F
- Assistance with permit applications
- On-site assistance (compliance assistance or pollution prevention assistance)
- OCAPP serves as a first stop for businesses seeking information

OCAPP Services

- Workshops & conferences
- Develop publications (plain-English)
- Maintain on-line recycler lists
- Quarterly CA/P2 newsletter
- Help develop and maintain Web resources (Webinars, Permit Wizard, Answer Place)



OCAPP Roles

- Respond directly to incoming CA/P2 requests.
- Provide a one-stop point of contact to help address multimedia CA/P2 needs.
- Help to present information in a plain-English format.
- Interact extensively with the divisions to get information and coordinate on projects.

Compliance Assistance Examples

3 Examples of compliance assistance:

- Hotline call
 - Help finding forms, publications, general inquiry questions, etc.
 - Follow up by phone and e-mail
- Request for site visit
 - Confidential tour of facility and operations
 - Follow up with confidential compliance assistance letter
- Response to Notice of Violation (NOV)
 - Work with business and inspector to abate NOV
 - Obtain necessary permits
 - Provide additional assistance

OCAPP Accomplishments SFY 12

- Helped more than 2,500 businesses with their pollution prevention and compliance needs.
- Conducted 193 site visits to help companies with compliance and pollution prevention.
- Participated in 63 presentations and training events to help educate Ohio businesses and organizations about P2 and compliance reaching over 2,700 individuals.

OCAPP Accomplishments SFY 12

- Distributed more than 15,932 publications to external customers
 - OCAPP also provided its newsletter Compliance and Prevention Quarterly to more than 6,000 Ohio businesses.
- Developed 16 new publications.



What Is Pollution Prevention?

- Front of pipe
 - Preventative strategy/proactive
- Process focused
 - Optimizes processes/prevents losses
 - Losses (wastes) = REGULATION
- True reductions
 - Real measurable environmental benefit
- Foundation for sustainable, lean & green strategies



What Is Pollution Prevention?

- Go beyond compliance
 - Not only can meet, but go beyond
 - Problem solving/management strategy
- Cost-effective
 - Reduces raw materials, value-added system/process



Waste = Money down the drain

P2 in Manufacturing

- Substitute less toxic materials
- Product redesign
- Modify equipment/process
- Production scheduling
- Preventative maintenance
- Spill and leak prevention
- Energy efficiency



Manufacturing P2



Material handling improvements



Energy efficiency



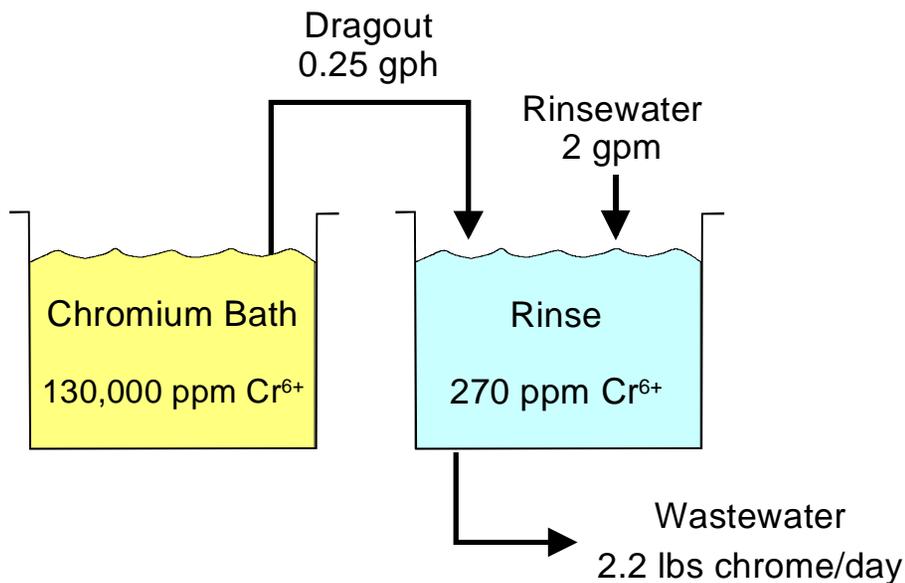
Improved equipment & operator practices

Material substitution – powder coating



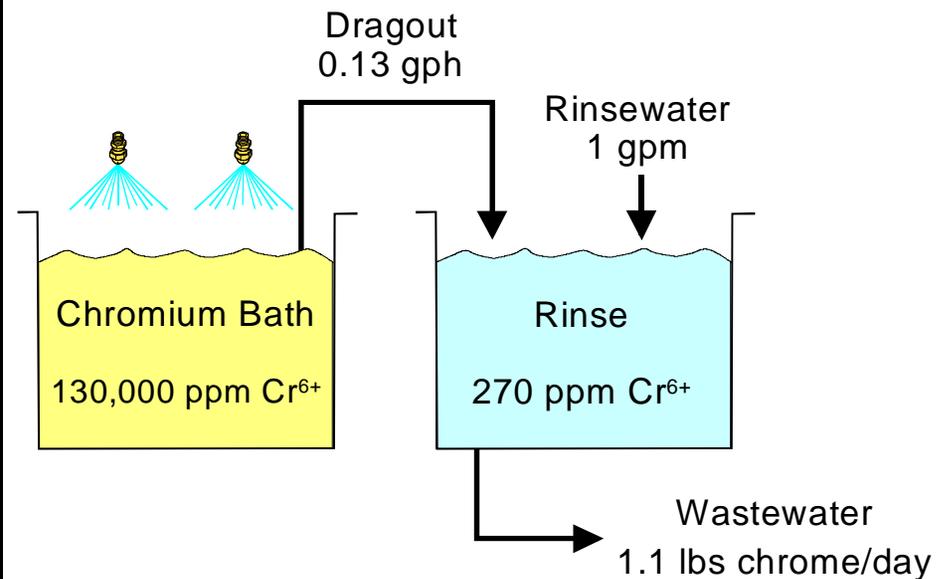
Equipment/Process Change Impact Example

Before



- Parts moved directly to rinse tank from plating bath
- Dragout rate = 0.25 gph
- Rinse water flow rate = 2 gpm
- Chromium discharge = 2.2 lb/day

After



- Parts rinsed with mist spray above plating tank
- Dragout rate = 0.13 gph
- Rinse water flow rate = 1 gpm
- Chromium discharge = 1.1 lb/day

Equipment/Process Change Impact Example



Transfer Efficiency (TE) Improvement	Waste Costs @ 30% TE	Waste Costs @ 45% TE	Savings Due to TE Improvement
Cost of waste + filters + labor	\$29,649	\$15,530	\$14,119
Cost of wasted paint	\$73,101	\$38,291	\$34,810
Total cost of waste	\$102,751	\$53,822	\$48,929

P2 Case Studies

- GM Powertrain Toledo Plant
 - Closed loop machining fluid system
 - Utilizes a “flat floor” design
 - Old system = 0.84 gallons/unit (Fluid consumption)
 - New system = 0.30 gallons/unit (60% improvement)
 - “Just Add Water System” (JAWS®)
 - Small dispenser cartridges fit into pre-labeled squirt bottles
 - Squirt bottles are reused
 - Only waste is the small dispenser cartridge



P2 Case Studies

- Crown Equipment, New Knoxville
 - Achieved zero landfill waste output
 - Uses ecodesign software that incorporates lifecycle analysis design into product concepts
 - Has reduced plant energy use by 6%
 - Customer take-back program for spent motors
 - Expired motors are re-manufactured/repaired
 - Offered for resale at a lower cost



OCAPP's P2 Services

- P2 assessments
 - On-site survey to identify & evaluate waste & pollution reduction opportunities
 - Identify ways to reduce associated waste costs
 - Optimize resources, minimize non-product related resources & increase productivity
- Online resources
 - P2 documents & guidance
 - Online training for metal finishing, painting, sustainability, etc.

Where Can I Get More Help?

Office of Compliance Assistance & Pollution Prevention

www.epa.ohio.gov/ocapp

(800) 329-7518



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