

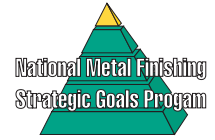
Workshops for Metal Finishers

Introduction to the Environmental Management System (EMS)

Template for Metal Finishers

Wednesday, November 15, 2000

10:00 AM to 3:00 PM



Did you know that Ford Motor Company and General Motors are requiring all primary suppliers to have a certified environmental management system in place by December 31, 2002?

Presented by:

U.S. Environmental Protection Agency Region III, Waste Minimization Team and the Pennsylvania Department of Environmental Protection.

What Is an EMS?

An Environmental Management System (EMS) is a continual cycle of planning, implementing, reviewing, and improving the actions that a company takes to meet its environmental obligations.

Description:

This Template is designed to help metal finishers create an environmental management system (EMS) that improves compliance with environmental regulations, promotes pollution prevention (P2), and can be implemented in a streamlined, cost-effective manner. The metal finishing EMS (MFEMS) provides a framework for a metal finisher to systematically identify, prioritize, manage, mitigate, and document the environmental aspects and impacts of its operation. An EMS encompasses a continuous improvement process wherein a metal finisher establishes and achieves environmental performance objectives. This workshop will introduce you to the Template and get you started on implementing an EMS at your facility.

This Workshop is for the Following People:

- ◆ Company owners and shop managers
- ◆ Environmental compliance staff
- ◆ Pollution control engineers
- ◆ Process line supervisors

This Workshop is Free!

As an introduction to the Strategic Goals Program this workshop is free. Future workshops will have a fee for non-SGP members.

Workshop Topics:

- ◆ Review EMS Benefits
- ◆ Introduce Template Organization and Format
- ◆ Getting Started on EMS Implementation
- ◆ Getting Help with Your EMS

Location:

York WasteWater
Treatment Plant
Utilities Way
York, PA 17402

Schedule:

10:00 a.m. - 3:00 p.m.	Workshop
12:00 p.m. - 12:45 p.m.	Lunch (provided)

For additional information on this and other upcoming workshops, call Tad Radzinski of EPA at (215) 814-2394.

Advance Registration Required

Fax Reply by 4:00 PM Monday, **OCTOBER 30, 2000**, (215) 814-3113 or

Email: radzinski.tad@epa.gov

By _____ Company _____

Phone _____

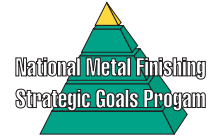
Names of Attendees _____

Workshops for Metal Finishers

Best Practices for Metal Finishing Line Operators Workshop

Wednesday, December 6, 2000
3:00 PM to 7:00 PM

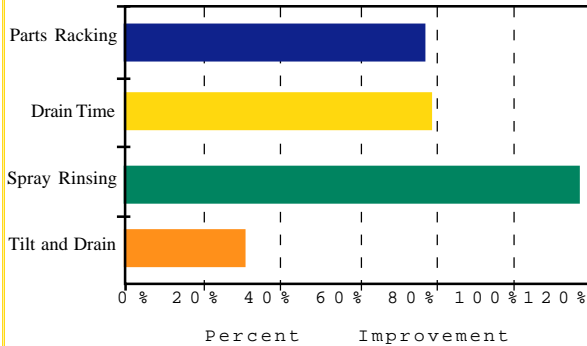
Do your platers and anodizers understand how their actions are affecting your raw material use, waste generation, and bottom-line profits?



Description:

Excessive dragout reduces process efficiency, increases chemical use, causes bath contamination, and increases waste generation. Plating line operators play a critical role in the amount of dragout generated. Training these workers, however, is a constant challenge and good operating practices are hard to teach. This workshop addresses this challenge through a "hands-on" training where good operating practices will be demonstrated and their effects on dragout reduction, wastewater conservation and process efficiency will be measured. By attending this training on dragout reduction, your workers will better understand how their plating techniques affect wastewater generation and your business' profits. This workshop is designed for rack platers and has been successfully delivered across the country!

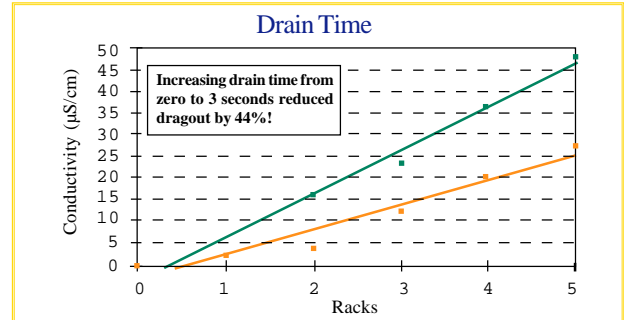
Dragout Reduction and Rinse Quality Improvement



Attendees will measure rinse quality results from different operating practices

Topics to be Covered:

- ◆ Withdrawal rate
- ◆ Proper racking
- ◆ Hang time
- ◆ Spray systems
- ◆ Drain techniques
- ◆ Effective rinsing



Attendees will measure actual dragout rates of different operating practices

Attendees will:

- ◆ Compare and contrast good and bad operating practices
- ◆ Receive hands-on training that demonstrates best operating practices
- ◆ Measure and quantify their impact on dragout
- ◆ Determine the effects of dragout on raw material use and waste generation rates
- ◆ Calculate cost savings associated with modifying line operator practices

Facility Operating Costs Associated with Dragout

- ◆ Process chemical use
- ◆ Rinse quality and rinse water use
- ◆ Treatment chemical use
- ◆ Treatment system O&M
- ◆ Sludge generation

The workshop will be held at Boeing Helicopter Division, Stewart Avenue & Rt. 291, Ridley Park, PA from 3:00 p.m. to 7:00 p.m. For additional information on this and other upcoming workshops, call Tad Radzinski of EPA at (215) 814-2394.

Advance Registration Required

Fax Reply by 4:00 PM Monday, **November 20, 2000**, (215) 814-3113 or

E-mail: radzinski.tad@epa.gov

By _____ Company _____

Phone _____

Names of Attendees _____
