



## Project Summary

# 8th AESF/EPA Conference on Pollution Control for the Metal Finishing Industry

J. Howard Schumacher, Jr., and Roger C. Wilmoth

The 8th Annual AESF/EPA Conference and Exhibit on Pollution Control for the Metal Finishing Industry was held in San Diego, CA, February 9 through 11, 1987. The program was organized by Dr. Rebecca Spearot, member of the American Electroplaters and Surface Finishers Environmental Committee and Roger Wilmoth of the U.S. Environmental Protection Agency, Water Engineering Research Laboratory, Manufacturing and Service Industries Branch.

The primary objective of the conference was to continue the dialogue established by the first AESF/EPA Conference in 1978 between key members of the Agency and the metal finishing industry. The program featured key EPA representatives who explained and discussed regulatory guidelines in detail. In addition, leading industrial experts discussed efforts to effectively address the ramifications of the EPA regulations.

*This Project Summary was developed by EPA's Water Engineering Research Laboratory, Cincinnati, OH, to announce key findings of the proceedings that is fully documented in a separate report of the same title (see Project Report ordering information at back).*

The U.S. Environmental Protection Agency's Office of Research and Development and the American Electroplaters and Surface Finishers Society have cooperated over the years in an annual "Conference on Pollution Control for the Metal Finishing Industry."

The eighth conference was held in January 1987 in San Diego and consisted of 26 technical presentations covering a

wide variety of topics of interest to the surface finishing industry. The presentations ranged from updates on the air, water, and hazardous waste regulations by EPA representatives to the results of research studies and case histories of waste reduction efforts in metal finishing facilities.

The conference was attended by over 425 individuals interested in environmental problems. These proceedings are published in order that the important material presented can be of benefit to as many people as possible. The regulatory papers were not available for publication so the Society arranged to tape the sessions and the subsequent panel discussions. These cassettes may be ordered from the AESF Book Department, in care of AESF Headquarters, 12644 Research Parkway, Orlando, FL 32826.

The EPA and the AESF are pleased to continue this mutual endeavor which has improved communications and which should promote continued research and sound technical solutions to the environmental problems of the surface finishers. The ninth conference is planned for late January 1988 in Orlando, FL.

The following is a title listing of the papers included in the proceedings of the Eighth Conference:

- Hazardous Waste Research Pertaining to Metal Finishing
- Treatment of Aqueous Metal Bearing Hazardous Wastes
- Optimizing Transfer Efficiency of Spray Painting Operations
- Pilot Scale Results of Metal Value Recovery From Mixed Metal Hydroxide Sludges
- Plating Waste Sludge Metal Recovery

Why Not Simplify Wastewater Compliance?  
 Liability for Managing Hazardous Wastes: Past, Present, and Future  
 How Clean Is Clean? (What Constitutes the Clean Closure of a Hazardous Waste Land Management Facility?)  
 Installation of New Nickel/Chromium Plating Facility  
 Pollution Control Using Room Temperature Evaporators  
 Howard Plating Cleans Up Their Act with Magnesium Hydroxide  
 Metal Finishing Wastewater Treatment Upgrade with an Insoluble Sulfide Precipitation Process  
 The Performance of Analytical Test Kits of Metal Finishing Wastewater Samples  
 Application of Statistical Process Control to Wastewater Pretreatment  
 Wastewater Reduction in Metal Fabrications Operations

Wastewater Treatment: Optimizing an Existing System  
 Electrolytic Recovery: Theory, Application, Advantages  
 Waste Treatment and Recycling of Mixed Wastewater From a Metal Finishing Company  
 Environmental Auditing: Management's Key to Effective Environmental Compliance  
 Successful In-House Recovery of Solvent  
 Calpurnia and the Strip Barn  
 Emissions from Chrome Plating Scrubbers as a Function of Scrubber Liquor Concentration

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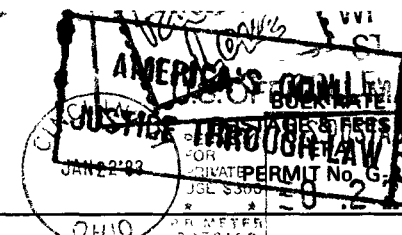
*The complete report, entitled "8th AESF/EPA Conference on Pollution Control for the Metal Finishing Industry," (Order No. PB 87-208 807/AS; Cost: \$30.95, subject to change) will be available only from:*

*National Technical Information Service  
 5285 Port Royal Road  
 Springfield, VA 22161  
 Telephone: 703-487-4650*

*The EPA Officer can be contacted at:  
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