About TechSolve

• 1982  Founded as Not-for-Profit Organization 501(c)(3)
• 1984  Joined Ohio’s Edison Center Network
• 1990  Metcut Research, Inc.’s Machinability Data Center joined TechSolve
• 1994  Joined NIST’s Mfg Extension Partnership network
• 2000  Changed name from IAMS to TechSolve
Use of Pollution Prevention for Environmental Regulatory Compliance

Two examples of how companies used P2 to help them get back into and remain in compliance with wastewater requirements mandated by local wastewater treatment facilities.
Aerospace Supplier

- Small supplier to aerospace OEMS
- Operations include heat treating, brazing, welding, coating, and nondestructive testing
- Employs 75 people
The Issue

- Exceeded nickel concentrations and pH excursions on frequent basis
- Sewer district threatened shut down, jail time
- Consultant prescribed $300K treatment system
The Solution

Pollution prevention was applied:

- Housekeeping
- Storage
- Process adjustments
- Prescribed small treatment system ($50K) as insurance
Moral to this Story….

Waste not, want not???
A penny saved is a penny earned???
Window Manufacturer

• Makes window frames for various window assemblers
• Operations include vinyl injection molding, trimming, material handling, mold manufacturing
• Employs 350 people and plans to expand
The Issue

- Excessive zinc levels in wastewater, some pH excursions, issues with COD and BOD
- Company attempted periodically over several years to identify source
- Sewer district assessing $3K monthly surcharges and NOVs
The Solution

Pollution Prevention was applied:

• Better housekeeping
• Raw material investigation
• Biocide management program
• Looked in sewer
The Moral of this Story Is…

Don’t leave any stone (or sewer lid) unturned
One More Issue
Automotive Supplier

- Small automotive supplier
- Seeking ISO 14001 registration
- Operations included metal cleaning, forming and machining
- Employs 100 workers
The Issue

• TechSolve assisted with implementation of ISO 14001 system and identified waste reduction opportunities
• Environmental issues were not in forefront previously
The Solution

• Reviewed current waste disposal practices for significant aspects and other waste streams

• Found alternative practices for several waste streams
The Moral of this Story Is…

Don’t write blank checks!!!
You may be throwing your money down the drain!!
For More Information

Mary Beth Holley
TechSolve, Inc.
6705 Steger Drive
Cincinnati, OH 45237
(513) 948-2038
holley@techsolve.org

Thank You!!!!