CHEMSTATION® 800 554-8265 www.chemstation.com

INSIGHTS

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POLLUTION PREVENTION IN THE WORKPLACE - FROM A TO Z

Assign life cycle responsibility to production management, linked to cost and liability.
Be the unsinkable champion of source reduction.
Charge the true cost of waste created to the operating unit and make the operating unit responsible for liabilities, management and costs of the waste stream.
Design for the environment with zero ultimate waste potential and cradle to grave functionality.
Educate each individual on what pollution prevention means.
Focus on optimizing the use of resources consumed in your process.
Goals for pollution prevention need to be established so that everyone in the company feels empowered to put these goals into practice.
Have pollution prevention incorporated into performance evaluations for middle management.
Incorporate pollution prevention into the development of new products and processes.
Just instill a philosophy of continuous improvement.
Keep working hard with the non-believers and be patient.
Link zero discharge, total quality management and pollution prevention into a working program.
Management support needs to be enlisted. Have them demonstrate their support by providing a written policy statement.
Never let leaks persist.
Organize innovative training for teaching pollution prevention concepts.
Plan your waste reduction work and work your waste reduction plan.
Quickly shift from paper systems to paperless communications.
Recycling structures can be created that also compliment source reduction.
Seek fundamental understanding of the sources of waste.
Think about sharing the money saved through pollution prevention with originators of the idea.
Use and develop life cycle studies for processes and products.
Value personnel input on ways to improve the processes.
Work at publicizing your pollution prevention accomplishments.
Xeroscape - use low water consumption, drought-resistant native plants and low impact irrigation in landscaping.
You need to establish a culture of not-wasting.
Zero waste should be the goal.

United States Environmental Protection Agency ■

MOTOR CITY SUCCESS

Paul Bortell, ChemStation - Detroit

One of our customers rebuilds Volvo, Toyota and Lexus transmissions. Old transmissions are shipped to them from dealers in the same plastic containers the rebuilts were shipped in originally. This means many part number labels and two sets of shipping labels. They use our product to remove all labels and adhesives effortlessly.

After removal from the case, the transmissions are placed (one at a time) into a heated, vertical spray cabinet for a 4-5 minute wash. Some of these units have road tars and rustproofing over-sprays on the casing that we cut as a prespray. Other ChemStation products do the rest and more as it removes grease/oil buildups at a 6% solution. It also removes virtually all of the chalky oxidized aluminum from the casing that resulted from road salt, so the casing can either skip the final paint operation or can have a better finish when painted.

Two heated tunnel washers clean disassembled parts in wire basket carriers and robot arms are programmed to do a thorough cleaning of the transmission case inside and out. Our solution helps the oil skimmers extend wash quality by removing most of the residues when the plant shuts down for the day (the skimmers run all night).

> The ChemStation lab came to the rescue this time by developing a custom solution...

One of the transmissions presented a problem. A graphite-like residue from the transmission friction plates just wouldn't come off and had to be hand wiped, slowing down the line. The ChemStation lab came to the rescue this time by developing a custom solution. We were then able to eliminate the residues completely - all at a 5% dilution through a heated, short (8') tunnel wash.

The result is a standard product for all washers, extended wash capacity, rust protection, rejuvenated aluminum casings, no foam, and a happy "customized" customer. ■



KEEPING IT CLEAN – YOUR COMPANY AND OUR ENVIRONMENT

How does ChemStation contribute to the health of the environment?

- Water-based, biodegradable, safe ingredients
- Customer assistance in complying with applicable EPA regulations
- Provides experience and expertise with waste stream management
- Exceeds environmental standards through continuous, rigorous analysis

Call your local ChemStation sales rep for any questions you have about how we can help your company stay friendly to the environment.

CHEMSTATION®

Is Your Company Environmentally Friendly?

Many companies have jumped on the "green bandwagon" and have instituted policies to teach employees how to be more environmentally conscious at the office. Here are some earth-loving tips you may want to consider:

- Recycle waste paper - use for scrap.
- Use recycled paper for computers, publications and brochures.
- BlackLightning completely cleans and remanufactures toner cartridges before filling them with high-quality toner. This company also buys used cartridges from anyone who would otherwise throw them away. They can be reached at (800) 252-2599.
- For offices with enough disk use, it might be worthwhile to buy a degaussing machine that totally erases all the material on a disk, including viruses. Others can have their disks recycled by Covenant Recycling Services. They will receive full disks, degauss and resell them at well-below "new" prices. They can be contacted at PO Box 759, Butler NJ 07405.
- Copy on both sides of the paper.
- As for faxes, use smaller or no cover sheets. Try "plain paper" fax sheets which use regular recycled paper that won't fade.
- Energy efficient lighting could save thousands of dollars a year for average sized companies and help the planet by reducing the use of fossil fuels for energy production. To put your office in the best eco light, join the EPA's Green Lights Program.
- Start or improve a recycling program. Contact your county solid waste coordinator or your department of environmental protection for assistance.
- Have employees use mugs instead of disposable cups.

Some of these tips may seem inconsequential, but when you add up the number of times each employee uses the printer, sends a fax, turns on a light or has a cup of coffee, it all adds up.

Earthways ■

Send your comments to:

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The Soap Box

A soap of tallow and wood ashes was used as early as the 1st century by Germanic tribes.
Columbia University Press

Health Fraud: Americans spend about $27 billion a year on quack products or treatments. The FDA estimates that 38 million Americans have used a fraudulent health product within the past year.
Medical World News

Pounds of trash thrown out by the average person annually: 1,500
Embracing the Earth

30% of the U.S. workforce has opted for nontraditional employment situations such as contract work, self-employment and temporary jobs.
Economic Policy Institute

Every 7 seconds, a Baby Boomer turns 50.
U.S. Chamber of Commerce