

2002 EnviroGuard Company Profile

Large Business Category



SCP Global Technologies, Inc., headquartered in Boise, prepares automated wet process tools and surface preparation technology to the semiconductor industry. SCP Global has a corporate commitment to workplace health and safety, resource conservation, product stewardship, community service, and excellence.

SCP Global looks first to source reduction and then to reuse and recycling. A team of individuals from various company departments was organized to develop a program to streamline production and reduce waste. Currently, insulated copper, aluminum, tin, stainless steel, PVDF (plastic), PFA (plastic), and TFE (plastic) are being recycled. Over 10,000 pounds of materials have been recycled rather than landfilled.

A nesting program is being developed to minimize the waste produced with the goal of reducing the amount of materials recycled. The nesting program is a software program designed to find the most efficient use of materials to minimize scrap. Forecast estimates show an annual savings of over \$100,000 in new materials purchases with the nesting program.

SCP Global has also invested time and money into a water reclamation program. The program was implemented in February 2002 and has already greatly reduced the water usage in the Research and Development facility. Effluent produced by the R&D facility is routed through a reverse osmosis filtering system, cleaned, and reused. This process has reduced water consumption in this facility by 58% and is projected to save 7.6 million gallons of water annually. The process will save the company an average of \$2,000 each month in water costs alone.

Other pollution prevention efforts at SCP Global include:

- Chemical tanks on their wetstations are designed to use the least chemical possible;
- SCP designed a 200-millimeter wetstation to reduce water consumption by 63%;
- Donated approximately 6,000 pounds, worth \$25,000, of plastic to the Idaho City and Emmett School Districts for classroom welding and construction with plastics training;
- Donated two wetstations and several robotic devices and components to Boise State University;
- Donated staff and hands-on training to school teachers and college professors;
- All chemicals used on-site have at a minimum secondary containment;
- All areas where chemicals are used there is leak-detect tape and automated response system that alerts the guard station and sends a paged alert to safety staff.