

Annual Green Tier Report
2008

Serigraph Inc. is a manufacturer of decorative components for a wide range of OEM customers as well as the Point-of-Purchase advertising industry. In short, Serigraph decorates all kinds of products and stores for a wide range of very demanding global customers. Do to increased efficiencies using Lean and also due to business slow down; plant 4 operations were consolidated with plant 2 to minimize redundancy of positions, utilities and equipment.

Serigraph's basic technologies revolve around a variety of printing processes, but include many other methods of adding decorative effects for products and stores.

Serigraph's Environmental Policy:

1. Serigraph Inc. will achieve continual improvement by developing and reviewing environmental performance indicators.
2. Serigraph Inc. shall endeavor to:
 - a. Maximize the efficient use of raw materials
 - b. Manage its waste products in a responsible manner
3. Serigraph Inc. shall maintain compliance with applicable legal requirements and with other requirements which are subscribed to that relate to its environmental aspects.
4. Serigraph Inc. shall communicate this policy to all interested parties as needed.
5. Serigraph Inc. shall adopt the approach of pollution prevention instead of detection.

Activity Report

Serigraph has completed certification to ISO 14001 in December, 2008. This certification supports the requirements of Green Tier II by have an environmental management system registered / verified by a third party and provides the framework to review all process that impact the environment .

1. VOC and Air Toxic Emissions Reductions

Serigraph Inc. continues to reduce VOC emissions by converting to UV inks whenever possible and by using the bio-filter to remove VOCs from the solvents

2. Waste minimization

Serigraph Inc. continues to reduce scrap which reduces the use of raw materials and the amount of material having to be sent to land fill or recycled.

Reducing scrap as a percent of cost is critical to reducing the amount of energy consumed, generation of hazardous and non-hazardous waste, and discharge of air emissions. Prevention efforts are taken to plan programs with a minimum of waste material and to use UV inks whenever possible. Lean and Six Sigma are used to minimize scrap and waste throughout Serigraph.

3. Recycling stations

Glass, plastic, aluminum cans and scrap paper are all recycled. In addition, polycarbonate, styrene, polyester, and metal flake are recycled.

4. Minimizing solvent usage

A task team has been organized to research alternative low VOC solvents which can be used to replace current clean up solvents used in printing and pre-press and procedures are in place to standardize screen cleaning to maximize numbers of screens made versus pounds of solvent used.

5. Reducing Energy Consumption

330 new energy efficient lamps have been installed replacing older metal halide lamps and a two plants were consolidated into one saving 2,541,173 kWh of electricity and 9,105 therms of natural gas from the previous year

6. Hazardous Waste

Pounds of hazardous material being shipped have steadily been reduced over the past five years. Hazardous materials include conventional inks, centrifuged solvents from wipes, and combustible liquids.

Attachments:

Table 1: Improved Environmental Performance

Table 2: "Beyond Compliance" Activities and Improved Management Practices

Table 3: Pollution Prevention Activities Identified and Undertaken

Nicholas Leifeld
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