

Company: LIGGETT & MYERS TOBACCO COMPANY

Location: City of Durham
Durham County

Application: Tobacco Products (SIC 2111)
On-Site Solvent Recovery

Description: Liggett & Myers uses solvents to clean engraved printing cylinders, cylinder pans, splatter guards and other machinery engaged in the two rotogravure presses for printing cartons and labels for their cigarette packages. Contaminated solvents, after solids settling, were discharged to a 5,000 gallon underground storage tank. The solvents were shipped quarterly to a recycler for solvent reclamation or incineration. Sludge was accumulated in 55 gallon drums before shipment to an incineration facility.

Liggett & Myers installed a 35 gallon capacity batch-distillation unit to recover 90% of the solvent for reuse. A small quantity of sludge is accumulated in 55 gallon drums for shipment to an incineration facility. The underground tank system was discontinued and closed.

This change reduced hazardous waste production 95% from 8,820 pounds per month to 440 pounds per month, enabling Liggett to become a small quantity generator.

Savings: The purchase and installation of the distillation still cost \$23,400 generating a total savings of \$38,500 for 1988, by avoiding purchase of \$33,500 (22,000 gallons @ \$1.50 per gallon) of the solvent blend and \$5,500 disposal of solvent wastes and ink sludge. Total hazardous waste disposal for 1988, was about \$3,500.