

HAZARDOUS WASTE MANAGEMENT PROJECT SUMMARY

CLIENT: Cigarette Manufacturer
PROJECT: Site Assessment and Remediation

Our engineers were retained to investigate the release of hazardous waste leakage from a UST abandoned in place. We performed a site assessment, sampled the subsurface with soil borings to determine the amount of contamination, and quantified the chemicals of concern. A CAP was developed and implemented, and our engineers negotiated with the state regulatory agency for the first health-based cleanup standards issued in North Carolina after conducting a detailed site risk assessment. A vapor extraction system was installed, monitored, and adjusted on a regular basis. The site was successfully closed after reaching established health based clean-up levels.

CLIENT: Woven Fabric Manufacturer
PROJECT: Waste Reduction Assessment

Our engineers inspected three fabric manufacturing facilities and identified all chemical products and processes that resulted in hazardous wastes. A plan was developed to segregate, label, and store these wastes in compliance with state regulations. We assisted in implementing the plan to prevent contamination of other solid wastes, such as waste oils, thereby reducing the disposal costs and reporting requirements at each facility. Waste oil and degreasing solvent management plans were developed to maintain better control of solid and hazardous wastes. Chemical substitution recommendations were implemented to reduce hazardous waste generation and disposal costs.

CLIENT: Specialty Fabrics Manufacturer
PROJECT: Site Assessment

Our engineers assisted this client with subsurface investigations at one operational and one closed manufacturing facility. Working with state Superfund Office investigators, we were able to prove through strategic soil sampling that onsite disposal of chlorinated solvents had not occurred at the operating facility. At the closed facility, our engineers investigated state Superfund and RCRA records of past owners and adjacent properties to present data that subsurface contamination did not result from the client's operations. The site is currently undergoing further investigation to confirm the client is not the responsible party.