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Waste Reduction/Pollution Prevention

SERVICES INCLUDE:

- Waste Reduction Audits*
- Waste Characterization/Classification*
- Waste Reduction Opportunity Assessments*
- Waste-to-Production Index*
- Federal/State/Corporate Reporting*
- Program Design/Organization/Implementation*
- Training Programs*

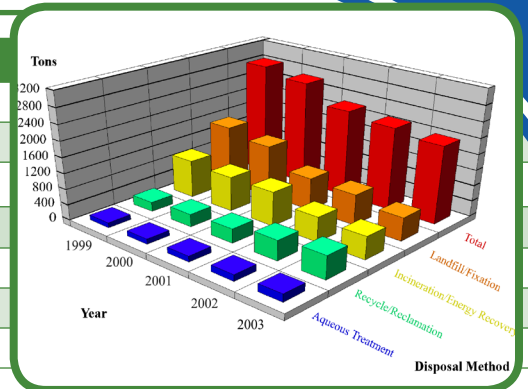
Regardless of size, waste reduction/pollution prevention is an essential element in the process operations of virtually all industrial concerns. In today's business environment, waste reduction/pollution prevention seems to be perceived as more of a prescription for survival than a regulatory requirement. However, pollution prevention not only protects the environment from actual and potential emissions, but also reduces the costs of both compliance and liability associated with waste disposal.

D&B Engineers and Architects, P.C. (D&B) has been at the forefront of waste reduction/pollution prevention since the late 1980s, when it gained increased recognition as an effective means of environmental management. Working initially with the semiconductor industry, and later at commuter railroads, aerospace and pharmaceutical industries, electronics manufacturing, electro-optical process operations and U.S. Department of Energy facilities, D&B continues to find unique solutions to industries' pollution prevention challenges.

In answering a typical pollution prevention assignment, D&B's audit team methodically evaluates each affected process operation with the goal of identifying cost-effective waste reduction opportunities. Alternatives investigated include the evaluation of administrative controls, such as training and optimizing chemical inventory and management techniques through process optimization and modification, chemical substitution, and chemical reprocessing technology evaluations.

The facility audits and waste reduction evaluations culminate in the preparation of draft and final hazardous waste reduction plans. Each facility plan presents a menu of waste reduction projects with implementation schedules, along with the preparation of cost estimates and a calculated percent of projected waste reduction through a previously established design year.

The implementation of waste reduction projects identified in audits conducted by D&B's experienced team of waste



reduction experts has realized significant cost savings for many clients, both large and small.

D&B's waste reduction/pollution prevention services include:

Waste Reduction Audits

- Pre-Audit Information Review
- Audit
- Post-Audit Follow-up

Waste Characterization/Classification

- Review Process Operations
- Identification of Chemical Utilization
- Identification of Point of Generation

Waste Reduction Opportunity Assessments

- Identification of Feasible Recycling/Reclamation Alternatives
- Life Cycle Cost Analyses
- Return on Investment Calculations

Waste-to-Production Index

- Identification of Principal Products/Process Areas
- Correlation of Production to Waste Generation

Federal/State/Corporate Reporting

- Hazardous Waste Reduction Plans
- Annual Status Reports/Biennial Updates
- Internal Corporate Reports

Program Design/Organization/Implementation

- Development of Waste Reduction Objectives
- Identification of Waste Reduction Projects
- Tracking/Monitoring Project Development/Implementation

Training Programs

- Self Audit/Assessment Training
- Promotional Materials
- Employee Incentive Programs