

ENVIRONMENTAL CONSULTING SERVICES

In addition to providing conventional environmental consulting services, Greene & Associates, Inc. also provides an advanced solution approach to your environmental problems. We do this by looking beyond the problem itself to the causes and impacts of the problem. Additionally, Greene's consultants approach the overall problem and solution from the client's perspective, in particular the impact on the financial bottom line. As problem solvers, we use our vast process industry experience to help the client first clearly define the problems and then solve them.

Greene's typical environmental consulting services on projects includes the following:

Litigation

- Provided assistance to a law firm representing a city and several plaintiffs against a major oil company on a lawsuit related to an old refinery pollution liability issues.
- Provided assistance to a law firm representing an oil and gas exploration and production on a lawsuit related to environmental (air) pollution problems.
- Provided assistance to a law firm representing a major oil company on a lawsuit related to refinery pollution problems.
- Provided assistance to a law firm representing a City Government on issues related to hydrocarbon contamination of the groundwater during construction of train tunnel.
- Provided assistance to a law firm representing a major West Coast Oil Company and the company on a lawsuit related to contamination due to oil and product pipelines and historical contamination.
- Provided assistance to a law firm representing an oil company on a lawsuit related to Superfund site in determining, identifying, quantifying and characterizing wastes (hazardous and non-hazardous) from various chemical and industrial facilities in a certain geographical area.
- Provided assistance to a law firm representing a major chemical company on a lawsuit with issues concerning waste identification and characterization from different chemical and industrial facilities to a Superfund site.
- Provided assistance to law firm representing insurance companies regarding historical pollution and liabilities at a refinery.
- Provided assistance to a law firm representing a chemical company regarding pollution liability and Superfund (CERCLA) cost recovery.
- Provided assistance to a law firm representing a chemical company on a lawsuit related to economic value and processing capabilities of certain process wastes from a petrochemical facility.
- Provided assistance on a lawsuit related to environmental process equipment at an ethylene facility. In addition, worked on matters related to Process Safety Management (PSM) and Process Hazard Analysis (PHA) issues.

- Provided assistance to a law firm representing insurance companies on a pollution liability lawsuit related to historical contamination at a tank farm.
- Provided assistance to a law firm representing an insurance company on a chemical/polymer plant fire and explosion case on matters related to cause and origin, chemical process and OSHA matters.
- Provided assistance to a law firm with a study concerning asbestos in refineries, petrochemical and chemical plants.
- Provided assistance to a law firm on issues concerning historical environmental regulations (CERCLA, RCRA, TSCA, CAA and others).

Technical/ Insurance/Economics

- Assistance in problem definition and strategies for addressing complex environmental problems followed by innovative, cost effective solutions.
- Source identification, elimination, and/or control for process unit air contaminants, wastewater, and hazardous wastes.
- Waste Minimization/Source Control, often accompanied by significant cost savings over treatment alternatives.
- Economic/benefits assessments of environmental problems and needs.
- Energy and Environmental Policy/Economics.
- Consulting assistance on current air, wastewater, hazardous waste, and groundwater/subsurface issues.
- Determination of pollution liability and related costs.
- Expert testimony with experience covering the entire history of the Environmental Movement in the U.S.A.
- Historical review of site activity, hazardous waste sites, asbestos usage, etc.
- Startup/operating assistance with treatment units, and treatment unit performance evaluation.
- Operating Procedures Review.
- Process Design/Project Management Oversight.
- Preparation of insurance claims related to pollution at petrochemical plants and chemical plants.
- Review of cleanup costs related to insurance claims and losses.
- Preparation of insurance claims related to pollution liability at a residential /commercial property.

Investigations

- Investigation of a wind turbine project site for contamination due to presence of pollutants/chemicals, which were initially suspected to be cause of foundation failures.
- Investigation of oil spills at a governmental facility.
- Investigation of chemical spill at a chemical plant after an explosion which damaged the plant and the tanks.

- Investigation of pollution related costs at an ammonia plant.
- Investigation (assessments and audits) of refineries, petrochemical plants and chemical plants to assess environmental problems.
- Investigation of hazardous waste disposal facility.
- Phase I and Phase II site investigations. Hydrogeological investigations of sites.
- Environmental, health and safety audits of PEMEX refineries, petrochemical and chemical plants.
- Environmental and safety issues related to pipelines.

Regulatory

- Assistance in facilitating negotiation and representing the client in regulatory meetings.
- Strategic guidance in complex regulatory issues and sorting out overlapping regulatory requirements.
- Overall site assessment and inspection of facilities and pollution control equipment for compliance.
- Impact of various regulations on plant operations, process economics and overall project budget
- Economic impact of various regulations.
- Development of incident/compliance tracking and reporting systems.
- Implementation and upgrading of audit systems.
- Regulatory interpretation and implementation at the plant level.
- Integration of Risk Management into management decisions to reduce long-term liabilities and costs.
- Assistance with insurance coverage issues as related to environmental management.
- Assistance in organizing and managing a corporate environmental department.
- Development and implementation of environmental policies.
- Assistance in developing and environmental management system.
- Identification of issues with respect to potential impacts on the client and strategically planning to mitigate the impact.
- Development and implementation of an accurate environmental cost accounting system. Environmental budget development.

Other Issues

- Determination of causes and effects of fires, explosions, spills and other sudden release environmental episodes.
- Due diligence for property sales and transfers.

HEALTH AND SAFETY SERVICES

Greene & Associates, Inc. also provides a full range of health and safety consulting services on matters related to refineries, petrochemical plants, chemical plants, gas plants and pipelines. Our services include the following:

Litigation

- Wrongful death cases
- Chemical exposure cases
- Benzene exposure cases
- Process equipment lawsuits related to safety aspects
- Tank farm equipment safety
- Overtime and safety issues
- Personal injury and wrongful death cases
- Plant accidents
- Refinery, petrochemical and chemical plant related occupational health and safety cases including process safety issues.
- Safety issues on fire and explosions matters.
- Gas plant safety issues.

Technical

- Accident Investigation
- Safety Engineering
- Corrosion Inspection/Control
- Electrical Codes
- Structural Analysis
- Process and Equipment Performance Evaluation
- Materials Engineering Section

Inspections and Regulatory Compliance

- Process Plant Inspections
- Asbestos Assessment/Abatement
- Electrical Safety Inspections
- OSHA Safety Compliance Inspections
- Offshore Platform Inspections
- Oilfield Construction Safety Reviews
- Safety Assessments and Audits - Process Safety Management (PSM) and Process Hazard Analysis (PHA)

Surveys/Assessments

- Safety Policy and Procedures Evaluation
- Noise Surveys
- Ventilation Surveys
- Heat Stress Assessments

Industrial Hygiene

- Accident Related Exposure Assessment
- Personnel Exposure Assessment
- Hazard Communications
- Industry Specific Evaluations
- Toxicology
- Illumination