

## Resumé:

### JESSICA M. TIERNEY

*Over the past 10 years, Ms. Tierney has provided regulatory compliance support for private industry clients, including those involved in chemical manufacturing and distribution, glass manufacturing, ceramic wares manufacturing, wood treatment and preservative manufacturing, and metal fabrication. Ms. Tierney has conducted and managed environmental site assessments of industrial, commercial, vacant, and undeveloped properties; and has conducted regulatory compliance audits of facilities including food and beverage manufacturing, chemical manufacturing, metal fabrication, and power generation facilities.*

#### Education

- B.S., Environmental Science, Allegheny College, *cum laude*, 1998

#### Registrations and Certifications

- Certified Professional Environmental Auditor, Environmental Compliance, Board of Environmental, Health, and Safety Auditor Certifications (BEAC), 2006
- The Auditing Roundtable

#### Continuing Education

- Department of Transportation – Hazardous Materials Handling Training
- Occupational Safety and Health Administration (OSHA) 40-hour Health and Safety Training, 1998, with Current 8-hour Refresher Training

#### Fields of Competence

- Environmental Regulatory Analysis
- Environmental Compliance and Regulatory Risk
- Due Diligence for Mergers, Acquisitions, and Divestitures
- Environmental Assessments and Compliance Audits

#### Key Projects

##### *Environmental Regulatory Analysis*

Ms. Tierney routinely conducts regulatory and policy analysis of federal and state hazardous waste, hazardous materials, storm water, and wastewater statutes, and researches and analyzes state and federal regulations and policies to determine the applicable or appropriate

regulations and provide clients with cost effective and technically sound options to address their regulatory needs.

##### *Environmental Compliance and Regulatory Risk*

Ms. Tierney has acted as the lead liaison and provided permitting and regulatory compliance support to a client whose chemical distribution and manufacturing facilities are located throughout North America, Europe, and the Asia Pacific.

Ms. Tierney also has provided regulatory compliance support, including evaluation of regulatory requirements, waste characterization, and training, to an optical solutions manufacturing and distribution company and gas and liquid measurement equipment design, manufacture, and service company.

Ms. Tierney has developed, managed, and reviewed permit applications and modifications, including, National Pollutant Discharge Elimination System (NPDES) permit applications, Resource Conservation and Recovery Act (RCRA) Part B permit renewal and modification applications, and Title V Permit renewal applications.

Ms. Tierney has prepared RCRA Part B permit renewal applications for chemical distribution and hazardous waste storage facilities in Pennsylvania and Minnesota, and as a part of the permit renewals, Ms. Tierney coordinated and conducted agency meetings. Ms. Tierney also provided regulatory research and support

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for Part B permit renewals for similar facilities in Texas and Indiana. In addition, Ms. Tierney responded to agency comments on RCRA Part B permit applications for similar facilities in Utah and North Carolina. Ms. Tierney renewed several Title V air permits for a company operating natural gas transmission facilities in New York, Pennsylvania, and Virginia, and assisted with a Title V renewal for a petroleum products manufacturing facility in Pennsylvania.

Ms. Tierney also has developed, managed, and reviewed spill prevention control and countermeasure (SPCC) plans; preparedness, prevention and contingency plans; RCRA contingency plans; pollution prevention and hazardous waste reduction plans; and storm water pollution prevention plans. Ms. Tierney has evaluated facilities and has prepared required Tier II and toxic release inventory reports.

For a facility in Pennsylvania, Ms. Tierney evaluated the facility's residual waste streams, and prepared biannual residual waste reports and annual chemical analysis of residual waste (Form 26R) forms for submission to the Pennsylvania Department of Environmental Protection (PADEP).

### *Due Diligence for Mergers, Acquisitions, and Divestitures*

Ms. Tierney is qualified to conduct environmental assessments in accordance with ASTM International Standard Practice for Environmental Site Assessments (E1527-05); the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI) as required under Section 101(35)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as specified in Title 40 Code of Federal Regulations Part 312.

Ms. Tierney has coordinated and assisted in the evaluation of environmental liabilities

associated with mergers and acquisitions and property transfers. In 2007 and 2008, Ms. Tierney provided high-level due diligence support to a Fortune 500 chemical company. Ms. Tierney's involvement included identification of 3<sup>rd</sup> party liabilities, public records reviews for two sites in Virginia, and coordination of public records requests and reviews for facilities in the U.S. Following the announcement of the merger agreement, Ms. Tierney assisted with environmental regulatory compliance integration efforts.

Environmental due diligence activities performed by Ms. Tierney have included Phase I and Phase II environmental assessments, review of environmental assessment reports, and development of estimates of environmental liability exposure.

Ms. Tierney has managed multi-site and single-site due diligence projects including projects that involved Phase I assessments of printing facilities in the U.S. and Canada, movie theaters throughout the eastern U.S., plastic bottle manufacturing facilities in the U.S., and a project that involved numerous parcels over more than 100 acres for a proposed wind farm.

Other representative projects include performing due diligence evaluations for commercial and undeveloped properties, food processing and warehousing facilities, and light and heavy manufacturing facilities, including metal forming and finishing, chemical manufacturing, creosote manufacturing, wood treatment, and foundry operations.

### *Environmental Assessments and Compliance Audits*

Ms. Tierney has audited industrial facilities for compliance with regulations governing solid and hazardous waste management; community right-to-know; drinking water, wastewater, and storm water; air; underground and aboveground

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storage tanks; polychlorinated biphenyls (PCBs), and asbestos management practices.

Ms. Tierney has completed regulatory compliance audits of numerous industrial operations including: metal forming and finishing, medical products manufacturing, chemical manufacturing, methane gas production, electrical power generation, nonhazardous and hazardous waste treatment and storage, and beverage manufacturing and distribution.

These audits included developing recommendations to achieve and maintain compliance, improve environmental management, and limit potential environmental liabilities. In 2004, Ms. Tierney was a lead auditor in one of the first voluntary audits of methane gas produced water discharges. Ms. Tierney also assisted in the development of health and safety audit protocols for a client with facilities throughout the United States and Europe.

### *Other Experience*

Ms. Tierney managed a site undergoing closure under the Pennsylvania Act 2 Voluntary program. Management of this project included scheduling and overseeing investigation, risk assessment, and monitoring activities, as well as, completion and submission of required documentation and correspondence and meetings with the PADEP.

Ms. Tierney has sampled soil, groundwater, and surface water at numerous facilities, using various techniques. Ms. Tierney has prepared geologic cross-sections and quarterly reports for monitoring activities at several facilities.

### **Publications**

Gibson, K. and Kundman Tierney, J. 2006. Electronic Waste Management and Disposal Issues and Alternatives. *Environmental Claims Journal*. December 2006, Volume 18, Issue 4,

pages 321 – 332

Kundman Tierney, J. and Martin, B. 2005. Chemical Facility Security in the United States: An Update for EHS Managers. *Environmental Quality Management*. Autumn 2005. Vol. 15, No. 1, pp. 15-26.

Isbister, C.E. and J.Kundman Gallagher [Tierney]. 2002. The Revised SPCC Rule. *Environmental Quality Management*. Winter 2002. Vol. 12, No. 2, pp. 65-71. Wiley Subscription Services, Inc.

Kundman [Tierney], J.M. and K.G. Ogilvie. 1999. Current Technical and Regulatory Developments: Risk Management Program, Persistent, Bioaccumulative Toxic Chemicals Proposed Rule, and Common Sense Initiative. *Environmental Claims Journal*. Spring 1999. Vol. 11, No. 3, pp.91 - 102.