



# Curriculum Vitae

## James P. Bulman

EXECUTIVE VICE PRESIDENT

### SUMMARY

Mr. Bulman has over 29 years of experience in directing and managing environmental projects for domestic and international clients of WSP Environment & Energy, a subsidiary of WSP Group plc. His responsibilities include developing strategies for and managing investigation and remediation projects, mergers and acquisitions, corporate environmental management systems audits and policy, environmental insurance assessments and coverage projects, and environmental risk management programs. He advises clients on key strategic issues and project specific technical issues as well as ensures that client's key business objectives are achieved. Mr. Bulman also assists in project planning and management, technical reviews, regulatory negotiations, and cost monitoring for projects. Mr. Bulman is a key client manager and directs all aspects of work for these clients.

### KEY PROJECTS AND ACHIEVEMENTS

- **Transaction Support:** Mr. Bulman has performed and managed hundreds of environmental due diligence assessments of industrial facilities in support mergers/acquisitions, divestitures; bank refinancing; and insurance coverage. These transactions have ranged from single sites to corporate transactions valued above \$51 billion. The work has involved evaluating potential regulatory compliance and environmental liabilities at a facility and developing quantitative costs estimates of the liabilities. The environmental assessments identify all potential environmental liabilities associated with a facility and make recommendations to minimize such liabilities.
- **Site Investigation:** Mr. Bulman develops strategies for investigating contaminated sites including those being addressed under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), and various state programs. He develops strategies for and directs and manages the preparation of work plans, sampling and analysis plans, and quality assurance for investigations involving soil, groundwater, surface water, and sediments. Mr. Bulman also leads technical negotiations with regulatory agencies related to such plans. Mr. Bulman directs the preparation of reports and reviews such reports to ensure that the technical presentation and data analysis support the project strategy.
- **Remediation:** Mr. Bulman has extensive experience developing strategic approaches and directing the implementation of site remediation projects. For all projects, the goals are to implement technically effective remedies, control costs, meet all applicable regulatory criteria, and achieve final closure as soon as possible. Mr. Bulman has directed over 100 remediation projects, including soil excavation and offsite disposal, capping, soil stabilization, thermal treatment of soils, *in-situ* and *ex-situ* groundwater treatment, groundwater containment, natural attenuation monitoring of groundwater, and sediment removal and stabilization. Types of contaminants at remediation projects have included volatile organic compounds, semi-volatile organic compounds, metals, polychlorinated biphenyls, pesticides, and petroleum hydrocarbons. He routinely conducts in-depth evaluations of remedial technologies and identifies cost-effective remedial approaches involving remediation of soil, groundwater, sediment, and surface water. Recent groundwater remediation projects have involved *in-situ* chemical





oxidation, *in-situ* enhanced bioremediation, an *in-situ* permeable reactive barrier, and natural attenuation monitoring. Mr. Bulman has successfully managed the remediation of numerous industrial sites that have been re-developed for commercial and residential use. For these sites, remediation approaches have been based on the application of risk assessments to derive appropriate clean-up targets for impacted media considering future property use.

- **Environmental Management Systems:** Mr. Bulman has assisted WSP's clients in developing corporate environmental management programs and systems. He provides guidance and support on environmental management programs and oversight for facility environmental management reviews.
- **Environmental Insurance:** Mr. Bulman has extensive experience related to environmental insurance coverage actions for both insurers and insureds. He has directed the technical evaluations of insurance coverage actions for more than 15 matters in the U.S. He has experience in evaluating environmental liabilities for insurers and insureds on landfills, refineries, manufacturing facilities, gasoline stations, mining facilities, manufactured gas plants, and chemical manufacturing facilities. Mr. Bulman has served as an expert in three litigation cases involving environmental coverage.
- **Energy Audits/Carbon:** Mr. Bulman directs energy auditing work performed for industrial clients and energy auditing to assess savings opportunities, as well as providing cost-effective solutions. He also provides strategic guidance on carbon and sustainability issues to clients and assists them in developing corporate stewardship programs.
- **Environmental Publications:** Mr. Bulman is Co-editor of the Environmental Claims Journal which is published by Taylor and Francis Group. This journal focuses on the many types of claims and liabilities that result from environmental exposures. The journal also considers the laws, regulations and case law that form the basis for claims. As co-editor, Mr. Bulman is responsible for overseeing the overall quality of the journal's articles. .

#### EDUCATION

**B.S.** Biology/Chemistry  
University of Bridgeport

**M.S.P.H.** Environmental Engineering and Science  
University of North Carolina Chapel Hill

#### PROFESSIONAL CREDENTIALS

- Registered Environmental Assessor, California
- Occupational Safety and Health Administration 40-hour Health and Safety and Safety Training with Current 8-hour Refresher training
- Member National Public Health