



Curriculum Vitae

John P. Black, P.E.

EXECUTIVE VICE PRESIDENT – WSP ENVIRONMENT & ENERGY LLC

PRESIDENT - WSP CONSULTING ENGINEERS, P.C.

PRESIDENT - WSP ENGINEERING OF NEW YORK, P.C.

SUMMARY

Mr. Black, a professional engineer, has over 30 years of experience in resolving environmental liabilities. His combination of engineering and business expertise has provided Mr. Black with the skills to understand each client's unique business goals and to provide measured savings to those clients amounting to tens of millions of dollars. Applying his expertise in project and program management, design engineering, evaluating technologies, developing remedial strategies, and conducting environmental assessments, investigations, developing environmental liability transfer solutions, and economic evaluation of environmental liabilities, Mr. Black has successfully developed solutions for large scale projects throughout his career. He serves as a client manager for several key clients and conducts or directs the engineering and design at WSP Environment & Energy, a subsidiary of WSP Group plc. He manages projects from WSP's Reston, Virginia, office.

Mr. Black is the Global Director of the Environmental Liability Solutions (ELS) team of WSP. His specific skills relate to liability management and transfer, technical strategies, cost analysis and value engineering, civil engineering, geotechnical engineering, remedial design, engineering metrics, and construction management. Mr. Black has been an expert witness in the US and the UK testifying on CERCLA remedial alternative selection, engineering, and cost of remedial programs.

KEY PROJECTS AND ACHIEVEMENTS

- Mr. Black is the Global Director of WSP's ELS team and has been a principal in a liability transfer firm, has led project teams quantifying and resolving liabilities for private parties, and has been the lead engineer for several major liability transfer programs. Mr. Black's expertise in the analysis of potential risks, quantification of liabilities, insurance mechanisms to protect parties to a transaction, and resolution of the liabilities through engineered solutions is uniquely adapted to this market.
- QLT Buffalo was a project sourced, engineered, and managed by Mr. Black. The client had liability for a former manufactured gas plant site in Buffalo, New York. A developer wanted to construct an office complex on the site for a very risk-adverse client. Mr. Black structured a liability transfer program that allowed the original client to transfer a clean parcel to the developer and the liability to QLT Buffalo. Within 28 weeks of closing the deal, 160,000 tons of contaminated soil and 10 million gallons of impacted groundwater were successfully removed from the site without a single lost time accident, and the new building construction began.
- Comprehensive programs developed for the sites in Colorado and Michigan combined an overall site strategy with a prioritization of the response and a cash flow management system that allowed the companies and regulatory agencies involved to address the sites in a manner that was more effective and cost efficient than could be achieved following the conventional RCRA Corrective Action Program approaches typically used. The program provides a systematic means to address the site conditions in a manner that results in a faster schedule and lower costs. Beyond the development of the comprehensive program, Mr. Black's experience includes all aspects of conventional





RCRA corrective action experience including; direction of RCRA Facility Investigations, EE/CA development, corrective measure studies, design of interim and final corrective measures, and management of program implementation through closure.

- Mr. Black's experience with environmental issues at primary metals mills is extensive. Mr. Black has developed the strategy for compliance with the RCRA corrective action program for two integrated steel making facilities and has guided several RCRA facility investigations. His experience includes designing remedial actions, assessing environmental conditions for acquisitions and divestitures, designing and remediating surface impoundments and waste piles, remediating conditions related to the use of polychlorinated biphenyl hydraulic and dielectric fluids, evaluating the closure costs for mills and coke plants, and providing expert witness testimony in reference to CERCLA actions.
- Mr. Black has served as an expert in cases involving Superfund remedial actions in New Jersey, Pennsylvania, and Colorado, environmental remedial claims in West Virginia and Georgia, land condemnation in Pennsylvania, and damage claims in Pennsylvania, California, and Georgia. Mr. Black has testified in London, Salt Lake City, Los Angeles, and Pittsburgh. Mr. Black has qualified as an expert for civil engineering related issues; Superfund remedial action selection, design, and cost analysis; and remediation and construction issues. One New Jersey case involved a claim of \$706 million that was reduced to \$27 million due to the analysis and testimony given by Mr. Black.

EDUCATION

- B.S.** Civil Engineering
State University of New York at Buffalo
- M.S.** Civil Engineering
State University of New York at Buffalo

PROFESSIONAL CREDENTIALS

- Professional Engineer in Alabama, Colorado, Connecticut, Delaware, Florida, Georgia, Illinois, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and Wisconsin
- Underground Storage Tank Specialist in New Jersey and South Carolina
- OSHA 40-Hour Health and Safety Training and annual refresher training
- OSHA 8-Hour Supervisor Training

SELECTED PRESENTATIONS AND PUBLICATIONS

- Toy, T. and J. Black. 2000. Topographic Reconstruction: The Theory and Practice, Chapter 3 in Reclamation of Drastically Disturbed Lands, published by the American Society of Agronomy.
- Black, J.P. and R.A. Long. 1998. The Engineer as an Expert Witness: Perspective and Performance. Environmental Claims Journal.
- Hampton, D., J.S. Jin, and J.P. Black. 1980. Representative Ground Parameters for Analysis of Tunnels: Volume 3, Tunnel Design and Construction. Report FHWA/RD-80/014.