
KEVIN D. YARD, P.E., BCEE**Project Director / Vice President****Education**

Pennsylvania State University, Master of Environmental Engineering, Magna cum Laude, 1974
University of Pittsburgh, Bachelor of Science in Civil Engineering, Magna cum Laude, 1973

Professional License and Certifications

Registered Professional Engineer: Texas, Louisiana, Oklahoma, Arkansas, & Pennsylvania
Diplomate of the American Academy of Environmental Engineers

Professional Affiliations

Solid Waste Association of North America and National Solid Waste Management Association

Professional Experience

Mr. Yard manages and directs a broad range of projects including feasibility studies, site characterizations, permitting projects, facility designs, construction-related services, compliance management programs, operations consulting, and remedial projects. Mr. Yard's 30 years of engineering experience (25 of which have been in solid waste management) have focused primarily on the design and permitting of landfills and landfill gas (LFG) projects. He has managed or directed over 200 landfill and LFG design and permitting projects, in various states, including New Mexico. His broad-based experience with landfill projects includes feasibility studies, permitting, design and construction. Selected project experience includes the following:

Served as Engineer-of-Record and Project Director for major permit amendments for the expansion of a number of landfills. These projects included various innovative designs (optimizing base grades through use of waste-as-ballast, alternate liner design demonstrations, alternative final cover systems, surface water management techniques, etc.). These projects also entailed the completion of numerous other components of the permit applications, as well as presentations at various public meetings and hearings.

Managed the cost-effective design and permitting of numerous landfills with various agencies — state, local and federal. Permitting procedures varied from lengthy adjudicatory hearings to administrative approvals by the agencies. Agency approvals included solid waste permits, water quality permits, air quality permits, 404 permits from the Army Corps of Engineers, local government approvals, etc.

Directed environmental assessments of more than 400 landfills (as well as a waste tire landfill and processing facility, incinerators, material recovery facilities, transfer stations, and hauling operations) in over 30 states, including New Mexico. These evaluations were for various reasons, including acquisition appraisal and investment consideration. These assessments included systematic evaluations of facility compliance with federal and state regulations and permit conditions as well as site capacity reviews and various other financially significant matters. In addition to regulatory compliance assessments, these evaluations commonly included cost estimates for upgrading and liability assessments.

Directed a feasibility study for the assessment of bioreactor technology at a major urban landfill. The study evaluated site-specific benefits for increased waste capacity, enhanced landfill gas production, and on-site disposal of leachate. The potential benefit of a reduced post-closure period was also considered. In addition to these technical considerations, cost impacts and other constraints (regulatory, contractual, etc.) were also evaluated.

Served as project director for various projects, including landfill design modifications; landfill gas management and monitoring; location restriction demonstrations; operating plan revisions; hazardous waste exclusion programs; storm water pollution prevention plans; and spill prevention, control, and countermeasure plans.

Directed other consulting projects including remedial investigation/feasibility studies, hydrogeologic evaluations, alternate source demonstration (ASD) groundwater studies, gas control and recovery systems, surface water management programs, flood studies, mapping, surveying, ecological surveys, and archaeological studies.

Developed procedures for implementing operational enhancements (e.g. airspace management programs) at Subtitle D Landfills. Assisted in implementing related changes in landfill operations (e.g., phasing changes, application of alternative daily cover, beneficial use of selected waste materials, etc.).

Serving as an expert witness, presented technical data before state legislative subcommittees and task forces.

Served as a technical expert in state district court and at adjudicatory hearings for various permitting actions.

Implemented programs for managing compliance of dozens of facilities with a myriad of federal, state and local regulations. Led efforts resulting in an outstanding compliance record for all facilities in a multi-state region.

Publications

“Optimizing the Value of Landfill Gas through Energy Recovery and Carbon Credits”, presented at the Annual New Mexico SWANA Solid Waste Management Conference, Albuquerque, New Mexico, August 2009.

“Technologies for Utilizing Landfill Gas and Optimizing Carbon Credits” presented at the 2009 Texas Public Works Association Annual Conference, El Paso, Texas; June 2009.

“Conventional and Emerging Technologies for Utilizing Landfill Gas”, presented at the EPA Landfill Gas-to-Energy Workshop, Fort Worth, Texas; March 2005

“Current Challenges and Opportunities in Solid Waste Management,” presented at the Annual TxSWANA Municipal Solid Waste Management Conference, Brownsville, Texas, March 2004.

“EPA’s Proposed Research, Development, and Demonstration (RD&D) Rules: Status Update and Related Landfill Design Optimization Strategies,” presented at the Annual TxSWANA Municipal Solid Waste Management Conference, El Paso, Texas, April 2003.