

## **JAMES J. WALSH, P.E., BC EE**

### **E d u c a t i o n**

BS – University of Notre Dame, Civil Engineering, 1974

### **Pro f e s s i o n a l L i c e n s e s , C e r t i f i c a t i o n s , a n d A w a r d s**

Professional Engineer – Ohio, Kentucky, Indiana, Michigan, Illinois, Pennsylvania, New York, Alabama, Georgia, Tennessee, and Virginia

American Academy of Environmental Engineers & Scientists (AAEES) - Board Certified Environmental Engineer (BCEE), Solid Waste Management Specialty

Annual Award for Distinguished Service in Landfill Gas – SWANA 1997

### **Pro f e s s i o n a l A f f i l i a t i o n s**

Environmental Research & Education Foundation (EREF)

- Elected Member, Board of Directors
- Appointed Member, Research Projects Committee
- Appointed Member, Scholarship Committee

Detachable Container Association (DCA)

- Elected Member

Solid Waste Association of North America (SWANA)

- Past Elected Member, International Board
- Past Director, Landfill Gas Division
- Past Chairman, Landfill Gas Division, Energy Recovery Feasibility Committee
- Past President, Ohio Buckeye Chapter
- Past Local Chairman, Cincinnati Convention Committee
- Past Chairman, Landfill Division, Policies, Rules, and Regulations Committee
- Current Member, Landfill Gas Division
- Current Member, Landfill Division

American Society of Civil Engineers (ASCE)

- Past President, Cincinnati Section
- Past Vice Chairman, Landfill Subcommittee
- Member, Environmental Division, Solid Waste Management Committee
- Co-Author, ASCE Landfill Design and Operation Manual

Greater Cincinnati Chamber of Commerce

- Past Chairman, Solid Waste Subcommittee
- Past Chairman, Environment and Energy Committee

American Public Works Association (APWA)

- Member, Institute for Solid Waste

Engineers and Scientists of Cincinnati (ESC)

- Past President
- Past Chairman, Annual Engineer-for-a-Day Event

National Waste & Recycling Association (NWRA formerly NSWMA)

Air and Waste Management Association (A&WMA)

Technical Association of Pulp and Paper Industry (TAPPI)

## **Professional Experience**

Since joining SCS in 1974, Mr. Walsh has worked almost exclusively in the area of solid waste management, primarily sanitary landfills and landfill gas (LFG). He regularly serves as a Project Director and Reviewing Principal for SCS landfill and LFG projects. His project experience, coupled with his involvement in professional and industrial associations, has earned Mr. Walsh an international reputation in these specialty fields.

### **Practice Areas Have Included:**

**Leadership in Landfill Engineering.** Over 40 years of professional experience on landfill projects. He served as Project Manager and primary author of the U.S. EPA landfill manual. He served as Project Manager and Chief Investigator on several U.S. EPA landfill R&D efforts relating to leachate, gas, and liner/cap performance. He has been engaged on over 100 landfill design and permitting projects, including sites with double composite liner systems. He has managed or directed several successful greenfield and landfill expansion permits with individual design capacities in excess of 25 million tons of solid waste.

**Leadership in Landfill Gas.** Over 40 years of professional experience on landfill gas (LFG) projects. Past Director of the leading LFG professional organization, the SWANA Landfill Gas Division. Received the top award in landfill gas practice, the SWANA Landfill Gas Distinguished Service Award, in 1997. He has served as Principal Investigator multiple landfill gas R&D projects for U.S. EPA, U.S. DOE, and Gas Research Institute. He has authored numerous publications and technical support documents in LFG. He has presented dozens of times on LFG at environmental conferences. He has been engaged as chief design engineer, Principal Investigator, or Project Manager on over 300 landfill gas projects over the years. Landfill gas related subjects have included gas migration and control, energy recovery, odor management, and compliance with air and solid waste rules including CAA, NSPS, Title V, NSR, PSD, NESHAP, and Subtitle D.

**Leadership on Landfill Fire and Elevated Temperature Landfills.** Principal investigator or chief engineer on over thirty dedicated landfill fire and elevated temperature landfill projects. He has provided guidance to landfill operators to avoid landfill fires. He has investigated landfill fires in-situ, and developed management and mitigation programs to address landfill fires and related events when they do occur. He has presented at environmental conferences on the subject of landfill fires. He served on the Ohio EPA Committee formed to address landfill fires and elevated temperature landfills in the state, and assisted in the development of the Ohio EPA Guidance Document on the subject.