

GALEN S. PETOYAN

Education

BS – Biological Sciences, University of Southern California, 1977
MS – Environmental Engineering, University of Southern California, 1980
Certificate – Executive Management/Business Administration, University of Southern California, 1995

Specialty Certifications

8-Hour Hazardous Site Supervisor Training, OSHA 29 CFR 1910.120
20-Hour Confined Space Training, OSHA 29 CFR 1910.146
40-Hour Health and Safety Training, OSHA 29 CFR 1910.120
Certified Competent Person Awareness for Trench/Excavation Safety, OSHA CFR 1926
Responsible Managing Officer (RMO) for Engineering Contractor Licenses (numerous states)

Professional Affiliations

American Society of Civil Engineers (ASCE)

Professional Experience

Mr. Petoyan directs SCS's nationwide Operations, Maintenance, and Monitoring (OM&M) practice and has over 33 years of technical and management experience in environmental engineering, including design, construction, and operation of regulatory compliance systems and energy recovery facilities. His experience has primarily involved landfill gas (LFG) control and recovery; landfill fire containment, control, and emergency response; surface emission monitoring and control; odor detection and management; leachate collection, treatment, and disposal; volatile organic compound (VOC) vapor extraction and disposal; groundwater pump and treat; landfill post-closure monitoring, maintenance, and reporting; data management, validation, and reporting; remote telemetry; compliance auditing; and health and safety program deployment and implementation. Mr. Petoyan is also responsible for implementation of the firm's technical review, quality assurance, health and safety, and compliance audit programs. Other remediation experience includes underground storage tank (UST) removal, dig and haul, and bioremediation cleanup of contaminated soil.

Project Involvement

Mr. Petoyan has been responsible for directing field teams on landfill site investigations requiring inspections, testing, and data collection, and evaluation. He has managed tasks that involved assessment of development plans to determine compliance of sanitary landfills with applicable federal, state, and local regulations.

He has also managed and provided technical support on LFG field pump test programs at numerous landfill sites. These sites, both active and closed, were located throughout the United States. Services included design and installation of test facilities (including wells, probes, headers,

condensate collection/disposal, and blower test rig), collection of baseline and dynamic pump test data, analysis of test results, and development of conceptual collection system design and construction cost estimates. He subsequently participated in the design, design review, construction review, startup, initial balancing, and routine OM&M in various capacities at these sites.

Mr. Petoyan has directed or provided oversight on more than 250 construction projects, over 400 active OM&M projects, and approximately 50 remediation projects. These projects are located across the United States, and are staffed and managed from local operation centers.

DataServices®

Mr. Petoyan leads development of SCS DataServices®, the firm's secured Web-based data management application, Remote Monitoring and Control (RMC), and telemetric data acquisition and management. The SCS DataServices® application supports the firm's internal Compliance Audit Program, which was developed specifically to validate data and verify regulatory compliance of environmental control facilities operated by SCS. The Compliance Audit Program reviews data acquisition procedures, instrument calibration, data permit compliance, regulatory-required follow-up testing and remediation, testing schedules, and reporting. RMC is a hardware/software solution for remote data collection, review, reporting, and system operation.

Awards and Industry Recognition

Mr. Petoyan has participated in and/or directed numerous projects that have received industry recognition, as follows:

- He was involved with the startup and operation of the Industry Hills Civic–Recreation–Convention Complex LFG-to-energy (LFGTE) and migration control facilities. This Complex received the “*Outstanding Civil Engineering Achievement*” Award in 1981 from the American Society of Civil Engineers.
- In 1997, three projects won recognition from the Solid Waste Association of North America (SWANA) National LFG Awards Program: The City of Industry, CA, won a *Gold Award* for innovations in LFG utilization; the Southeast Public Services Authority (SPSA) won a *Bronze Award* for LFG utilization; and Fairfax County, VA, won a *Silver Award* for LFG control.
- In 1998, SWANA recognized the Scholl Canyon project in Glendale, CA, with a *Gold Award* for LFG utilization.
- In 1999, SWANA recognized two projects: the Miramar LFG utilization project, located in San Diego, CA, was given a *Bronze Award*, and the LFG utilization project in Perdido, FL, received a *Silver Award*.
- In 2000, SWANA recognized the closed City of Berkeley Landfill (Cesar E. Chavez Park) with a *Gold Award* for innovations in LFG control.

- In 2001, two projects were recognized by SWANA for excellence: the LFGTE project at the Los Reales Landfill received a *Silver Award*, and the OII Superfund Landfill site received a *Bronze Award*, both for innovations in LFG control.
- Again in 2002, two projects were recognized by SWANA: the closed Junipero Serra Landfill (developed as a Home Depot site) received a *Silver Award*, and the Naples Landfill received a *Gold Award*, both for innovations in LFG control.