

SCS ENGINEERS

Environmental Consultants and Contractors

About SCS Engineers

Welcome to SCS Engineers®, an environmental consulting and contracting firm serving public and private clients across the nation and around the world. Our core capabilities

are in solid and hazardous waste management, energy, remediation and environmental compliance. We work to prevent, mitigate and remediate environmental events, and use our environmental regulatory systems knowledge to help shorten project timelines and stay on budget.

SCS Engineers specializes in the assessment, design, permitting, construction, operation and maintenance, and monitoring of sustainable environmental solutions and facilities. Our clients depend on the combination of SCS professional expertise, SCS leadership, and our roster of National Experts who consistently bring value to each solution.

Our professional staff are located according to their knowledge of regional and local geography, regulatory policies and industrial or scientific specialty. SCS professionals are available as technical experts and have been admitted as expert witnesses and supported legal counsel in a variety of environmental and regulatory litigation matters.

Our environmental engineering and consulting work are enhanced by the specialized in-house groups listed below that support a wide range of full-service environmental solutions. Full service provides added value for our clients.



[SCS Field Services Construction](#) | [SCS Field Services OM&M](#)
[SCS Energy](#) | [SCS Tracer](#) | [SCS Technology Services](#)
[SCS Management Services](#)

Within our website, you will find the environmental services we offer and the business sectors where we offer our services. Each web page offers information to help you qualify SCS Engineers and SCS's professionals by scientific and engineering discipline. We provide direct access to our professional staff with whom you may confidentially discuss a particular environmental challenge or goal.

SCS Field Services® Construction provides construction services for a variety of environmental systems, including compost facilities, biogas systems, electrical generation facilities, landfill closure, remediation, and facility construction. SCS Field Services Construction, with licenses in all 50 states, constructs systems designed by other firms as well as turnkey, design-build, and design-build-operate services in conjunction with other SCS divisions.

SCS Field Services® OM&M provides operation, monitoring, and maintenance (OM&M) services for a broad range of solid waste and environmental control facilities. These facilities include composting systems, biogas systems and pipelines, leachate treatment and groundwater remediation. SCS Field Services OM&M manages operations at hundreds of solid waste facilities throughout the country.

SCS Engineers has one of the longest and successful landfill gas and renewable energy practices in the United States. Our clients attribute our success to the combination of **SCS Energy®**, our division specializing in waste gas utilization that provides an integrated engineer-procure-construct-operate approach to systems. SCS's waste gas experience includes the creation of biogas, landfill gas, digester gas, CNG/LNG and coal mine methane.



SCS Tracer Environmental® provides a comprehensive range of scientific engineers, technologies and laboratory facilities including; mechanical, chemical, meteorology, atmospheric sciences, and tracer sciences. Advanced air monitoring and tracer sciences services provide SCS Engineers clients' with specialized compliance services to highly regulated industries. Tracer's history providing OSHA Process Safety Management, EPA Risk Management, and CalARP Programs has made our professionals' industry leaders.

SCS Technology Services® works closely with our business sectors developing software, applications and support services which harness technology to capture, track and evaluate environmental data. Our platform SCSeTools® and applications help our clients collect data and use the data to make compliance reporting more accurate and timely, enhance their productivity and increase field safety while maximizing gas capture. Our tools are versatile; SCS programmers, engineers, and scientists are available to develop custom applications meeting a spectrum of industrial environmental objectives.

SCS Management Services™ offers financial sustainability with preventative solutions and long-term financial management plans to public agencies facing environmental and market challenges, shifting regulations, and those aiming for new clean energy goals. Utilities and public-sector organizations provide life-sustaining services to their citizens and communities; providing these services while managing budget constraints; reporting, compliance, and operational challenges; and maintaining affordable rates. We support agencies and companies responsible for managing solid waste, stormwater, wastewater, brownfields-remediation, and energy programs that require integrated skill-sets and financial sustainability for optimal value.



SCS was formed in 1970 in Southern California by Bob Stearns (C), Tom Conrad (L), and Curt Schmidt (R), three civil engineers with broad backgrounds in the then-new field of environmental engineering.

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Utilities

SCS Engineers supports water, wastewater, coal, and electric utilities facing regulatory changes that impact operations. Our utility site activities range from negotiations with state and Federal regulators through investigations, pilot studies, and design-build to meet state and Federal regulatory policy.



Vulnerability assessments for single or multiple community water utilities can include surveys of water facilities ranging from dams, reservoirs, and ground water supply wells to distribution pump stations and piping. SCS can develop templates for vulnerability assessment proposals, inspections, and reports that improved cost-effectiveness by standardizing these tasks.

Our Environmental Management Services includes Process Safety Management and Risk Management Programs. SCS also develops statistically-based monitoring programs that standardize procedures and documents to maximize efficiency and reduce overall program costs. We provide evaluation and implementation of a variety of cost-saving techniques, including the use of field tests, onsite laboratories, geoprobing and hydropunching, geophysical methods, and chemical fingerprinting.

We perform remedial investigation/feasibility studies (RI/FS), engineering evaluation/cost analyses (EL/CA), and removal actions for proposed Superfund sites, and we provide expert consultation, including peer review of reports prepared by others. SCS Engineers can provide client support in negotiations with the EPA on administrative orders on consent, work planning documents, and proposed plans for the removal actions.

Our Field Service division implements technologies ranging from source and soil stabilization, excavation, and ground water extraction and treatment to soil vapor extraction, thermal desorption, and natural attenuation.

SCS Management Services™ offers financial sustainability with our preventative solutions and long-term financial management plans to public agencies facing environmental and market challenges, shifting regulations, and those aiming for new clean

energy goals. Utilities provide life-sustaining services to their citizens and communities; providing these services while managing budget constraints; reporting, compliance, and operational challenges; and maintaining affordable rates. We support agencies and companies responsible for managing energy programs that require integrated skill-sets and financial sustainability for optimal value.

Click on the solution service areas below for more information about our qualifications:

- Clean Air Act
- Coal Combustion Residuals and Electric Utilities
- Environmental Due Diligence and All Appropriate Inquiries
- Greenhouse Gas
- Hazardous Waste and Superfund
- Landfill Design-Build-OM&M
- Liquids Management – Wastewater Treatment
- Health and Safety
- Solid Waste Planning
- SCSeTools™
- Storage Tanks and Spill Prevention
- Stormwater Management
- Federal Government Services
- International Services

CONTACTS

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Waste Management

SCS Engineers' primary practice, representing the majority of our experience and diversification, is waste management. This includes environmental and resource economics, monitoring and assessment, and policy and management. SCS Engineers is proud to be one of the nation's top environmental consulting and construction firms, delivering sustainable solutions that balance today's financial, environmental, and bureaucratic challenges.



As SCS develops and implements solutions, we maintain a high level of responsiveness to our clients' environmental concerns, including economic and regulatory challenges. We continuously expand our professional staff to provide full-service capabilities that address the increasing complexities facing our industry. SCS serves private and municipal clients nationwide and around the world. We design-build, then offer operations, monitoring, and maintenance (OM&M) services to fully support our clients.

No matter the issue: generation, minimization, removal, transport, treatment, recycling, reuse, storage, collection, transfer, disposal, or the economics... we've solved it. SCS helps our clients in a broad range of industries to safely solve the challenge of disposing materials and the by-products of human activity in the safest, most environmentally-sustainable manner possible. SCS Management Services™ helps you quantify the cost of sanitation functions to develop a comprehensive cost of service allocation to each function. This allows municipal entities to quantify collection and disposal functions using the actual cost to serve those customers. It also allows quantification of additional, or formerly free services provided for the residents of the community.

Each year, SCS provides environmental due diligence in support of a number of merger and acquisition transactions, often with values ranging from a few million dollars to hundreds of millions of dollars, or more. SCS professionals integrate their expertise and are particularly valuable when supporting private equity recapitalization used to fund solid waste infrastructure expansion. SCS provides industry, operational, and organizational solid waste expertise that can help quickly identify and remedy obstacles to transition or expansion.

We provide the full range of solutions in the waste management arena. Click on the links below to explore some of what SCS Engineers can do for you:

- Biogas, Anaerobic Digestion, CNG Energy Systems
- Clean Air Act
- Coal Combustion Residuals
- Environmental Due Diligence
- Greenhouse Gas
- Hazardous Waste and Superfund
- Health and Safety
- Landfill Gas and LFGE
- Landfill Design-Build-OM&M
- Liquids Management - Leachate Management and Wastewater Pretreatment
- Material Recovery Facilities and Transfer Stations
- Oil and Gas
- Organics Management
- Risk Management Plans and Process Safety Management
- Solid Waste Planning
- SCSeTools™
- Stormwater Management
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