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## RAYMOND H. HUFF

### Education

MBA – Information Systems Emphasis, Keller Graduate School of Management, 1999  
BA – Philosophy (Minor in Geology), Whittier College, 1991

### Professional Licenses and Certifications

Approved Lead Verifier under California Air Resources Board (CARB) for Green Stewardship Council (GSC), Cogeneration, Cement, and Refinery Reporting  
Occupational Safety and Health Administration (OSHA) 40-hour Hazardous Waste Site Operations Emergency Response (HAZWOPER) Certification  
OSHA 8-hour HAZWOPER Supervisor Certification

### Professional Affiliations

Solid Waste Association of North America (SWANA)  
Air & Waste Management Association (AWMA)  
Landfill Gas Technical Advisory Group; California Department of Recycling and Recovery (CalRecycle)

### Professional Experience

Mr. Huff has over 20 years of experience in environmental consulting — all with SCS. An SCS Vice President, he specializes in landfill regulatory compliance; air quality/compliance issues, including GHG emissions quantification; and site assessment, remediation, and post-closure care. He is the landfill assessment and greenhouse gas (GHG) emissions quantification project lead within SCS's offices throughout the western U.S., responsible for technical expertise on landfill regulatory compliance, post-closure development, and emissions quantification procedures.

Mr. Huff is also the Closed Landfill project lead within SCS's California offices, with project management and coordination responsibilities for closed and inactive landfill projects throughout the state, including landfill probe evaluation work for CalRecycle. He has also participated on the Landfill Gas Technical Advisory Group to CalRecycle.

Mr. Huff's compliance expertise has been deployed in a Project Manager and Task Manager capacity on a variety of landfill investigations and risk assessments, hazardous substance site investigations and risk assessments, site remediations, solid waste and hazardous waste management plans, and GHG/air regulatory compliance projects throughout California.

The following projects highlight Mr. Huff's in-depth experience in environmental engineering regulatory compliance.

## Landfill

**Investigation and Remediation of Former Landfill Site, Long Beach Memorial Medical Center, Long Beach, California (SWIS # 19-AK-5018).** Mr. Huff is project manager for the investigation of potential contamination derived from a landfill site adjacent to the Long Beach Memorial Medical Center. The subject area is the proposed site for an expansion of the hospital, and includes oil field wastes and municipal waste disposal. The investigations have included soil and soil vapor analyses and an evaluation of the lateral and vertical extent of waste disposal. The next phase of the project will include excavation and removal of the contaminated material and California Environmental Quality Act (CEQA) support during the development of the hospital expansion.

**Environmental Monitoring and Post-Closure Care, Cal-Compact Landfill, Carson, California (SWIS # 19-AQ-0012).** The site is a former hazardous waste landfill that is being considered for redevelopment. The site is currently under the oversight of the Department of Toxic Substances Control (DTSC). Project tasks have included landfill gas (LFG) assessment, LFG engineering, design of methane protection systems, and development of an LFG monitoring program. In addition, Mr. Huff is currently the Site Manager for on-site post-closure care services, including LFG monitoring, LFG system operations and monitoring (O&M), groundwater sampling and analysis, cover maintenance and repair, site security, storm water sampling/analysis/inspections, and regulatory liaison with the DTSC.

**Landfill Investigation, LFG Engineering, Human Health Risk Evaluation and Impact Assessment, Proposed Residential Developments, Adjacent to the Otay Landfill, Chula Vista, California (SWIS # 37-AA-0010).** Project activities at the site have included an evaluation of LFG migration, LFG engineering and testing, air quality permitting and compliance, soil and LFG sampling and analysis, human health risk assessment and nuisance/odor evaluation, CEQA assistance, O&M of the LFG collection and control system, and other landfill engineering and construction services. The risk assessment and odor/nuisance analysis was completed to support residential development adjacent to the landfill.

**Impact Assessment, Proposed Commercial Developments, On and Adjacent to the BKK Landfill Site, West Covina, California (SWIS # 19-AF-0001).** The BKK site includes two landfills: one municipal solid waste landfill and one hazardous waste site, both under the oversight of the DTSC. Mr. Huff completed various investigations and data reviews/analyses of soil, surface water, groundwater, LFG, and air quality. The data were used for the completion of a human health risk assessment in support of the CEQA process for a proposed golf course and business park development on the Class III landfill.

**Investigation and Remediation Feasibility Study, Mission Bay Landfill, San Diego, California (SWIS # 37-AA-0026).** For this site, Mr. Huff developed the LFG sampling portion of the site assessment workplan of the former landfill site, which is located next to a river, a bay, and an amusement park, and is used heavily for recreational purposes. The field investigations were followed by a risk assessment, and given the highly visible and public nature of the landfill project focus on risk communication was of primary importance. Ultimately, several candidate risk-based remediation methods applicable to the site will be identified with typical costs associated with each method. This is an ongoing project that includes interface with the San Diego Air Pollution Control District (SDAPCD), San Diego Regional Water Quality Control Board (RWQCB), the Laboratory for Environmental Analysis (LEA), and the DTSC.

**Air Quality Impact Analysis, Human Health Risk Evaluation, and CEQA Assistance, Regional Landfill Project, Salinas Valley Solid Waste Authority, Monterey County, California.** Regional air quality impacts, including a human health risk assessment, were evaluated as part of an Environmental Impact Report (EIR) for four different combinations of the expansion of three regional landfills and the placement of 10 regional transfer stations throughout the Salinas Valley. One of the landfills contained hazardous waste, including burn ash, which also had to be evaluated for potential health risks. The risks assessments included an evaluation of risks from diesel exhaust from mobile equipment and vehicles.

**Landfill Gas Monitoring Well Functionality at 20 California Landfills.** Under contract with the California Integrated Waste Management Board (CIWMB) (now CalRecycle), Mr. Huff developed an approach and implemented a functionality assessment of 200 landfill gas monitoring probes at 20 landfills located throughout California. The functionality assessment entailed an initial condition assessment, gas monitoring, vacuum testing, video borescope inspection, and lithologic evaluation of each probe included in the study. The results of this study were presented to the CIWMB and utilized to develop the CIWMB's probe construction best management practices (BMPs).

**Landfill Investigation, Regulatory Compliance and LFG Engineering Activities, Upland Sanitary Landfill, Upland, California (SWIS # 36-AA-0005).** Project activities at the site have included design and installation of a perimeter probe migration monitoring system, LFG collection and control system evaluation and engineering, air emissions sampling and analysis, and development of alternative regulatory compliance plans under Southern California Air Quality Management District (SCAQMD) Rule 1150.1, including regulatory liaison with CIWMB closed, illegal and abandoned (CIA) staff.

**Landfill Gas Assessment, Cover Maintenance, and Monitoring, Cogen Kramer Landfill, Los Angeles, California (SWIS # 19-AA-0581).** The site is located adjacent to residential development and two Los Angeles County correctional facilities. Project tasks include emergency cover repair associated with a subsurface combustion event, LFG migration assessment, and preparation of an LFG and cover assessment workplan for installation of LFG migration probes and ongoing cover maintenance. The project also includes methane monitoring associated with the use of one of the closed jail facilities (for TV and movie productions), and regulatory liaison with the Los Angeles County LEA, the CIWMB, the SCAQMD, and the U.S. Environmental Protection Agency (EPA).

**Landfill Gas Assessment, Cover Maintenance, and Monitoring, Lane Road Disposal Site, Irvine, California (SWIS # 30-CR-0063).** The site is located adjacent to residential development and has been redeveloped into a golf course. Project tasks have included LFG assessment, including methane testing in nearby homes, installation of LFG migration probes, cover repair and ongoing cover maintenance, preparation of an LFG assessment and cover maintenance plan, regulatory liaison with the Orange County LEA, the Santa Ana RWQCB, the Orange County Integrated Waste Management Department (OCIWMD), the CIWMB, and the SCAQMD. Future tasks will include the design and installation of an LFG collection and control system to prevent migration onto residential properties.

**Environmental Investigations at the Former BKK Main Street Landfill in Los Angeles County (SWIS # 19-AQ-0014).** This landfill is a closed site that may have received both hazardous and non-hazardous wastes, currently occupied by two golf courses and other commercial and residential developments, and is being considered for additional redevelopment. Project work at this facility has included completion of soil vapor surveys, installation and monitoring of LFG migration probes, LFG sampling/analysis, oversight of cover and subsurface soil and groundwater sampling, CEQA assistance, and negotiations with regulatory agencies. The site is currently being considered for listing on the National Priorities List (NPL) as a potential Superfund site. Oversight of the landfill is provided by EPA Region IX, the DTSC, and the Los Angeles County landfill LEA.

**Landfill Investigation and Human Health Risk Evaluation/Impact Assessment, Proposed Residential Development, Adjacent to a Landfill Site, Union City, California.** The project included completion of various soil, LFG, and groundwater investigations, and development of two risk assessments to support the development of residences adjacent to the landfill, as well as clean closure of a portion of the site for additional residential on-site development. SCS also provided CEQA assistance for the proposed developments.

**New Source Performance Standards (NSPS) LFG Sampling and Analysis, Multiple Landfill Sites in Kern County, California.** For this project Mr. Huff conducted NSPS Tier 2 landfill gas sampling and analysis in accordance with federal NSPS regulations at four landfills in Kern County. Mr. Huff performed field investigations in 1998 and resampled three of the four landfills in 2003 in accordance with federal resampling procedures set forth in NSPS regulations. In addition to conducting the field investigations, Mr. Huff completed statistical analyses of raw analytical data and authored the final data reports submitted to the EPA.

### **Health Risk Assessment**

**Human Health Risk Assessment for a Proposed Residential Development at a Former Crude Oil Tank Farm in Norwalk, California.** For this project, Mr. Huff performed an assessment which included a human health risk assessment and an evaluation of the potential human health impacts associated with a neighboring crude oil storage facility to support residential redevelopment of the site. The risk assessment included evaluation of a disposal area for oil field wastes and was performed as part of the CEQA process for site redevelopment.

**Risk Assessment at the Former BKK Main Street Landfill in Los Angeles County (SWIS # 19-AQ-0014).** This landfill is a closed site that may have received both hazardous and non-hazardous wastes, currently occupied by two golf courses and other commercial and residential developments, and is being considered for additional redevelopment. Project work at this facility included completion of a human health risk assessment. The site is currently being considered for listing on the National Priorities List (NPL) as a potential Superfund site.

**Creation of a Baseline Human Health and Ecological Risk Assessment for a Former Rocket Manufacturing Facility in Van Nuys, California.** This site is undergoing Resource Conservation and Recovery Act (RCRA) site mitigation. Contaminants at the site include heavy metals, pesticides, polychlorinated biphenyls (PCBs), hydrazine, and volatile organic compounds (VOCs). The ecological risk assessment included terrestrial ecosystems.

**Key Field Geologist in the Investigation of a Former Oil Refinery Located in Central California.** In addition to conducting remedial excavations of lead impacted soils, Mr. Huff planned, scheduled, and coordinated quarterly sampling of 73 multi-aquifer groundwater monitoring wells located in and around the site, as well as designed and installed 16 groundwater monitoring wells located in three different aquifers for contaminant plume tracking and remediation. He also compiled data and prepared reports for submittal to regulatory agencies.

**Creation of a Baseline Human Health and Ecological Risk Assessment for a Former Electronics Manufacturing Facility in Los Angeles, California.** Contaminants at the site included chlorinated solvents. The ecological risk assessment included terrestrial ecosystems.

**Human Health Risk Evaluation for Proposed Commercial Developments on and Adjacent to a Former Hazardous Waste Landfill in Southern California.** The site contains two landfills: one municipal solid waste landfill and one hazardous waste site, both under the oversight of the DTSC. Mr. Huff completed a human health risk assessment in support of the CEQA process for a proposed golf course and business park development on the Class III landfill.

**Key Field Geologist in Remedial Oversight for Cleanup of a Former Petroleum Refinery and State Superfund Site Located in Southern California.** More than 1,000,000 cubic yards of contaminated soils were excavated for on-site treatment using bioremediation and vapor extraction.

**Risk Assessment at a Former Landfill in San Diego County, California.** For this site, Mr. Huff developed the LFG sampling portion of the site assessment workplan of the former landfill site, which is located next to a river, a bay, and an amusement park, and is used heavily for recreational purposes. Following completion of field investigations, Mr. Huff completed a risk assessment, focused heavily on risk communication. This ongoing project includes interfacing with multiple regulatory agencies, and additional site investigative activities, including preparation of work plans, conducting soil gas surveys, installation of soil borings and subsequent sampling and evaluation of applicable remedial alternatives, and assessment of hydrocarbon contaminant plumes from a variety of sources (leaking underground storage tanks (USTs), aerospace facilities, and former petroleum refineries).

### **Landfill Gas**

**Conducted Investigations to Define the Migration and Movement of LFG through Subsurface Soil, and to Develop Mitigation Schemes to Protect Nearby Structures from Hazardous Gas Accumulation, Various Sites in California.** These landfill structures included sub-foundation membranes, monitoring and detection equipment (such as alarm systems), and ventilation of spaces where potential gas accumulation could occur.

**Determined LFG Generation Rates Using Computer Models, Various Sites in California.** Mr. Huff has performed these projects using input data from operator waste receipt records and decomposition data developed by SCS.

**Managed a Landfill Perimeter Probe Evaluation and Replacement Project Associated with the Refurbishment of a Public Golf Course Located over a Closed Landfill in Southern California.** Project duties included preparation of a baseline health risk assessment to determine risk levels associated with refurbishment of the existing landfill cap.

**Installation, Monitoring, and Sampling of Well Systems, Various Sites in California.** Mr. Huff has performed numerous projects to determine surface infiltration rates and the presence and nature of subsurface contaminants in groundwater.

**Performance of Regulatory Compliance Audits, Facility Permitting, and Interfacing with Local, State, and Federal Agencies, Various Sites in California.** Mr. Huff has performed numerous audits and permitting projects for clients seeking compliance with all applicable rules and environmental regulations associated with the projects.

**Compilation of Landfill Emissions Estimates and Pollutant Loading Data, Various Sites in California.** Mr. Huff has performed many of these projects in connection with the performance of health risk assessments for landfill cap construction activities located in Southern California.

### **Greenhouse Gas**

Mr. Huff is a recognized expert in the field of GHG measurement, mitigation, and control. A representative sampling of clients for which he has performed GHG services is provided below.

#### **CARB - Approved Lead Verifier (GSC, Cement, Refinery Reporting)**

- Cal Portland Company
- Collins Pine Company
- Hilmar Cheese Company
- Imperial Irrigation District
- Metropolitan Water District
- Orange County Sanitation District
- Riverside Wastewater Treatment Plant
- San Francisco Hetch Hetchy Water & Power
- Temple Inland
- University of California at Davis
- University of California at San Diego
- University of California at Santa Cruz
- Western Area Power Administration (WAPA)

#### **CARB - Senior Internal Reviewer (GSC, Cement, Refinery Reporting)**

- City of Roseville
- Collins Pine Company
- Corn Products
- Hilmar Cheese Company
- JP Morgan Chase Bank
- Northern California Power Authority Port of Stockton
- Truckee Donner Public Utility District
- University of California, Davis

#### **The Climate Registry (TCR) - Senior Internal Reviewer (Entity Reporting)**

- City of Davis
- Hershey Chocolate and Confectionary Corp.
- Hilmar Cheese Company
- Sierra Nevada Conservancy
- University of California, Davis
- USANA Health Sciences

#### **TCR - Approved Lead Verifier (Entity Reporting)**

- Anadarko Petroleum
- Anaheim Public Utilities
- City of Chula Vista
- City of Hollister
- City of Salt Lake City
- Massachusetts Dept. of Environmental Protection
- North Carolina Dept. of Environment and Natural Resources
- San Benito County

- City of San Juan Bautista
- Clark Public Utilities
- Collins Pine Company
- Colorado Springs Utilities
- Denver Water
- Hilmar Cheese Company
- Imperial Irrigation District
- Irvine Ranch Water District
- Levi Strauss & Company
- Metropolitan Water District
- Sierra Nevada Conservancy
- South Carolina Department of Health and Environmental Conservation
- The Timberland Company
- University of California at Davis
- University of California at Merced
- University of California at San Diego
- University of California Office of the President
- Virgin America
- Washington State Department of Ecology

### **California Climate Action Registry (CCAR) - Approved Lead Verifier (Entity and Power Reporting Utility)**

- Anaheim Public Utilities
- Aquarium of the Pacific
- City of Los Angeles
- City of West Hollywood
- El Paso Corporation
- Morningstar Packing Company
- Orange County Sanitation District
- San Benito County
- Stanford University
- SW Gas Corporation
- University of California at Berkeley
- University of California at Irvine
- University of California at Merced
- University of California at Santa Barbara
- University of California at Santa Cruz

### **CCAR - Senior Internal Reviewer (Entity and Power Reporting Utility)**

- Collins Pine Company
- Hershey Chocolate and Confectionary Corporation
- Johns Mansville
- Natomas Unified School District
- Pacific States Environmental Contractors
- State of CA Department of Finance
- State of CA Department of General Services
- State of CA Department of Military
- State of CA Office of the Governor

### **Climate Action Reserve (CAR) Verification Services - Lead Verifier**

#### **Landfill Protocol**

- Butler County Landfill Pipeline Project
- Clinton County Landfill Methane Destruction Project
- Davis Landfill Gas Offset Project
- Finney County Landfill Gas Destruction
- Granger South Jordan Landfill Gas Destruction Project
- Hernando County Landfill Electric Generation
- Oneida-Herkimer Landfill, Ava, NY
- Pine Tree Landfill Methane Destruction Project
- Steuben County Landfill Flaring Project

#### **Livestock Protocol**

- Bridgewater Dairy, LLC
- Central Sands Dairy, LLC
- George DeRuyter & Sons Dairy
- Green Meadow Farm
- Green Valley Dairy
- Pagel's Ponderosa Dairy
- Riverview Farm Anaerobic Digester Project
- West River Farm Anaerobic Digester Project
- Willow Point Dairy, LLC

**CAR GHG Reduction Services - Project Manager****Landfill Protocol**

- Central Landfill, Citrus County, Florida
- Dalton-Whitfield Regional Solid Waste Management Authority
- Eagle Point, Wolf Creek, and Stones Throw Landfills
- Hay Road Landfill Feasibility Study
- L & D Landfill
- Larimer County Landfill Electric Generation Project
- Raleigh County Solid Waste Authority
- YSDI Landfill Feasibility Study Pendleton County Landfill

**GHG Emissions Inventory of Creditable GHG Reductions, Kern County Waste Management Department, CA.****AB32 Mandatory Reporting, City of Fresno Wastewater Treatment Plant (WWTP), and at Six Active Landfills for Waste Management, Inc.****GHG Inventory and CAR Reporting, Los Angeles County, CA, the City of Carlsbad, CA, and Republic Services, Inc.****Multi-year, Specialized GHG Inventory Calculations for Landfill Emissions (Carbon Dioxide and Methane) Waste Management, Inc.****GHG Inventory Consulting, Los Angeles County, CA and the City of Carlsbad, CA.****Software Testing and Evaluation of the Climate Action Reserve's Emissions Tracking and Trading Software.****Storm Water**

Mr. Huff has been involved in numerous projects related to compliance with water and wastewater discharge limitations, including storm water and wastewater compliance sampling and discharge monitoring. Mr. Huff's expertise has been deployed in a lead role on a variety of projects related to water quality, storm water, and wastewater, as well as other environmental issues. He has participated in the following projects and studies:

- Engineering design, design review, and construction management for industrial wastewater pretreatment systems at industrial and commercial facilities.
- Pollutant loading and flow rate assessments for wastewater conveyance systems at industrial facilities.
- Development of wastewater sampling manuals, and training of industrial facility personnel in proper sampling techniques.
- Installation, monitoring, and sampling of well systems to determine surface infiltration rates and the presence and nature of subsurface contaminants in groundwater.



- Performance of regulatory compliance audits, facility permitting, and interfacing with local, state, and federal agencies to ensure compliance with all applicable rules and environmental regulations.

### **Groundwater**

Mr. Huff has a background in geology and paleontology. Since joining SCS, he has been involved in numerous projects related to the investigation of sites with contaminated soil and groundwater. This experience is summarized below.

- Key field geologist in remedial oversight for cleanup of a state Superfund site located in Southern California. More than 1,000,000 cubic yards of contaminated soils were excavated for on-site treatment using bioremediation and vapor extraction.
- Planning and direction of field investigations of hazardous waste sites to identify and characterize contaminants in soil and groundwater.
- Assessment of hydrocarbon contaminant plumes from a variety of sources, including leaking underground storage tanks and former petroleum refineries.
- Site investigative activities, including preparation of work plans, conducting soil gas surveys, installation of soil borings and subsequent sampling, and evaluation of applicable remedial alternatives.
- Installation, monitoring, and sampling of well systems to determine the presence and nature of subsurface contaminants in groundwater.
- In-field design and installation of vapor extraction systems for the remediation of volatile contaminants in subsurface soils.
- Preparation of health and safety plans submitted for regulatory approval. This includes hazardous waste characterizations, emergency response planning, establishing site operating procedures, and field implementation of health and safety plans.
- Preconveyance environmental assessments of properties prior to real estate transfer. These projects consist of evaluating past on-site operations, identifying potentially contaminated sites, record searches of files maintained by regulatory agencies, and collection and analysis of groundwater quality information, where applicable.

### **Information Systems Management**

Mr. Huff has an MBA with an emphasis in information systems. He is skilled in information systems management, database design, programming, and computer modeling. He is an SCS practice leader in the collection, conversion, manipulation, and management of data used in risk assessments, groundwater and vadose zone migration, water fate and transport modeling, and in designing and developing maps, cross-sections, and 3-D visualizations of surface and subsurface environments.

Mr. Huff also performs project and financial management for internal and external projects using business practices and project management skills acquired during completion of his MBA.

### **Expert Testimony**

In 2013, Mr. Huff provided expert witness testimony for a confidential client, concerning a GHG credit dispute. Work included rebuttal of plaintiff expert opinions, including deposition, arbitration testimony, and open-court testimony.

### **Other Project Experience**

- In-field design and installation of vapor extraction systems for the remediation of volatile contaminants in subsurface soils.
- Planning and direction of field investigations of numerous hazardous waste sites to identify and characterize contaminants in soil and groundwater.

Prior to joining SCS, Mr. Huff was affiliated with Green & Associates, an environmental consulting firm that provided services such as Phase I assessments, asbestos assessments, and evaluation of core samples for paleontological purposes for major oil companies.

### **Publications and Presentations**

Huff, Raymond, *Summary and Impacts of Upcoming Changes in Federal GHG Reporting for Landfills*, Presentation at AWMA Golden Empire Chapter 2013 Technical Conference, Bakersfield, California, September 2013.

Huff, Raymond, Banister, Amy, Smith, Phillip, Wuestenberg, Niki, Sullivan, Patrick S., and Henkelman, John, *Lessons Learned from Federal Mandatory GHG Reporting Data Analysis for Landfills*, Presentation for AWMA Climate Change Conference, Washington, D.C., September 2013.

Huff, Raymond, Sullivan, Patrick S., and Drotman, Cassandra, *Lessons Learned from the First Two Years of Compliance with the Federal GHG Mandatory Reporting Rule*, 36<sup>th</sup> Annual SWANA Landfill Gas Symposium, Las Vegas, Nevada, March 2013.

Huff, Raymond, Henkelman, John, and Sullivan, Patrick S., *Comparison of GHG Emissions Methodologies for Landfills*, Presentation for AWMA GHG Strategies Conference, San Francisco, California, November 2011.

Huff, Raymond, and Sullivan, Patrick S., *Comparison of GHG Emissions Methodologies for Landfills*, Presentation for AWMA Annual Conference, Orlando, Florida, June 2011.

Drotman, Cassandra, Huff, Raymond, and Sullivan, Patrick S., *The Impact of Federal Climate Change Legislation and Regulation on the Solid Waste Industry*, Conference Proceedings, 33rd Annual SWANA, Landfill Gas Symposium in San Diego, California, March 2010.

- Huff, Raymond, and Sullivan, Patrick S., *Impact of Mandatory GHG Reporting on California Industry*, Presentation at Industrial Environmental Association 2009 Annual Statewide Environmental Summit, San Diego, California, October 2009.
- Huff, Raymond, *Subsurface Fire Identification, Assessment and Mitigation; A Presentation of Selected Case Studies*, Presentation at the Annual SWANA WASTECON Conference, Long Beach, California, September 2009.
- Huff, Raymond, *Third Party Greenhouse Gas Verification Explained*, Presentation at GHG for Industry Workshop, Houston, Texas, May 2009.
- Huff, Raymond, *The Business of Greenhouse Gas Emissions*, Presentation at Sigma Xi Speaker Series, Loyola Marymount University, April, 2009.
- Huff, Raymond, *Landfill Gas to Energy Case Study*, Presentation at Working Session on Methane Capture and Use, Navigating the American Carbon World Conference, San Diego, California, April 2009.
- Drotman, Cassandra, Huff, Raymond, and Sullivan, Patrick S., *New LFG Monitoring Requirements in California: More Stringent and Expensive*, Conference Proceedings, 32<sup>nd</sup> Annual SWANA, Landfill Gas Symposium in Atlanta, Georgia, March 2009.
- Huff, Raymond, *Greenhouse Gas Credit Trading*, Presentation at CWEA Global Climate Issues Specialty Conference, Whittier, California, June 2008.
- Huff, Raymond, *Carbon Footprint and Impact of Biosolids*, Presentation at California Water Environment Association (CWEA) Global Climate issues Specialty Conference, Whittier, California, June 2008.
- Huff, Raymond, and Sullivan, Patrick S., *Unique Case Studies of Landfill Redevelopment in California*, Conference Proceedings, 44th Annual SWANA WASTECON Conference, Charlotte, North Carolina, September 2006.
- Huff, Raymond, and Sullivan, Patrick S., *Air Quality and Odor Impacts from Landfill-Related Emissions*, Conference Proceedings, Water Environment Federation (WEF) and Air and Waste Management Association (AWMA) Odor and Air Emissions 2004, Bellevue, Washington, April 2004.
- Huff, Raymond, and Sullivan, Patrick S., *Unique Landfill Gas Issues on Urban Inactive Landfills*, Conference Proceedings, 27<sup>th</sup> Annual SWANA, Landfill Gas Symposium in San Antonio, Texas, March 2004.
- Huff, Raymond, Leonard, Michelle, and Sullivan, Patrick S., *Composting Emissions Update and New Southern California Regulations*, Presentation at the Annual Solid Waste Association of North America (SWANA) WASTECON Conference, St. Louis, Missouri, October 2003.