

MICHAEL J. MILLER, CHMM, MBA

## Education

M.B.A., Business Administration, University of Missouri, 2001  
B.S., Industrial Technology, Arizona State University, 1994

## Specialty Certifications

Certified Hazardous Materials Manager  
Certified 40-Hour Hazardous Waste Operations Worker  
Certified Hazardous Waste Operations Site Supervisor



## Professional Experience

Mr. Miller has a wide variety of experience in the environmental management and consulting field in both the private and federal sectors. He is a Senior Vice President of SCS Engineers and is the Environmental Practice area leader for the Central Region and the firm's National Partner for Environmental Due Diligence where he oversees many of the firm's environmental projects.

In his current role, Mike oversees many environmental projects across the region and coordinates environmental due diligence projects nationally including transactional due diligence, M&A due diligence, brownfield assessment and redevelopment, environmental compliance consulting, environmental permitting, and environmental remediation. His environmental background includes assessment of common special concerns related to redevelopment projects specifically, asbestos, lead-based paint, Poly-chlorinated biphenyls (PCBs), Underground Storage Tanks (UST) and overall risk mitigation, monitoring and management.

Mike is experienced in a wide array of environmental health and safety (EH&S) programs and has successfully developed and implemented EH&S solutions at multi-location industrial facilities in the agricultural processing, chemical processing, distribution / transportation, manufacturing, metals, and pharmaceutical sectors. Further, he routinely supports municipalities with environmental and solid waste related consulting support for their landfills, water, wastewater, and electric utility infrastructure. Mr. Miller is well-versed in RCRA compliance and has provided compliance audit support for many types of facilities including small quantity and large quantity generators of hazardous waste. This experience allows Mr. Miller to be uniquely qualified in regard to waste handling and storage activities as well as waste profile preparation in advance of permitting, transport and disposal of hazardous, special and non-hazardous waste streams.

Mr. Miller is an expert at effectively communicating environmental liabilities to project stakeholders with regard to ongoing operations and planned projects prior to project implementation. By identification of compliance alternatives and/or corrective actions, risks are often mitigated and project implementation actions are monitored in order to avoid unnecessary added expense due to project rework that saves our client's money.

Demonstrable skills related to Mr. Miller's project experience include:

- Asbestos inspections, management plans, and employee training.
- Regulatory compliance support.
- Asbestos and lead-based paint surveys as part of project scoping and approach.
- Indoor air quality evaluation and corrective action development.

- Environmental Site Assessments.
- Risk Based Corrective Actions.
- Waste stream sampling, profile preparation and receiving facility permitting.
- Developing health and safety guidance to ensure worker and subcontractor safety.
- Documentation of project timelines, stakeholder communication and scheduling.
- Internal compliance review and process goal improvement.
- Coordination and scheduling of in-house technical staff and associated subcontractors to ensure efficient project delivery.
- Construction planning, specification review and implementation of quality assurance.

Specific project experience is further detailed in the following sections:

### **Air Quality Compliance**

**Air Construction Permit Application – Omaha Steel Castings, Co.:** Project director for the preparation and submittal of an air construction permit application for a new Greenfield steel foundry near Wahoo, Nebraska. Mr. Miller oversaw preparation of the air construction permit application, which included the development and use of source-specific emission factors, detailed potential emission calculations, and analysis of applicable local, state and federal air regulations.

**MACT/NESHAP Compliance Assistance & Emission Control Retrofitting – Metropolitan Utilities District:** Mr. Miller was the project director for an effort to bring 55 reciprocating internal combustion engines into compliance with NESHAP Subpart ZZZZ, NSPS Subpart IIII, and NSPS Subpart JJJJ requirements at 15 facilities owned by Metropolitan Utilities District, the City of Omaha's water and natural gas utility. Mr. Miller assisted with the regulatory applicability and compliance determinations, compliance gap analyses, regulatory notifications and compliance deadline extensions, and emission control engineering cost estimates for each engine. As part of this analysis, 13 engines were identified which would require installation of catalytic reduction and continuous parametric monitoring systems. Baseline emission testing, bid specification development, contractor bid review, and construction observation for each engine was performed as part of this project.

**Air Quality Compliance Support:** Mr. Miller provided air quality compliance support to the City of Lincoln to address a Prevention of Significant Deterioration (PSD) identified increment violation. As project manager for this effort, he oversaw all modeling efforts (ISCST3 and AERMOD) and negotiated and corresponded directly with the local, state, and federal regulatory authority on behalf of the client. In addition to the PSD related services, SCS is also providing Title V and Emission Inventory Questionnaire related services to the City.

**Tier II Gas Evaluation:** Mr. Miller was the project manager for a Tier II gas evaluation at the Grand Island, Nebraska landfill. As project manager, Mr. Miller developed the Tier II work plan, coordinated both State and EPA approval of the work plan, scheduled and coordinated onsite activities, and prepared the final Tier II evaluation report. As part of this effort, Mr. Miller gained approval from the USEPA for a modification to EPA Method 25C. The approved modification is available on the EPA Technology Transfer Network website for use nationwide.

**Tier II Gas Evaluation:** Mr. Miller is currently serving as the project manager for a Tier II gas evaluation at the G&P Development Landfill in Milford, Nebraska. As project manager, Mr. Miller is responsible for development of the Tier II work plan including sample locations, coordination with the State Agency for approval of the work plan, scheduling and coordinating onsite activities, and ultimately developing the estimated emission rate and preparing the final Tier II evaluation report.

Annual Emission Inventory Questionnaires: Mr. Miller serves as the project manager with QA/QC responsibility for the preparation and submittal of annual emission inventory reports and annual and semi-annual certifications of compliance and exception reporting for three different landfills in Nebraska. This is an ongoing multi-year project.

Greenfield Ethanol Plant; Construction Permitting: Mr. Miller is currently serving as the project manager for the development of an air construction permit for a 110 million gallon per year ethanol plant to be constructed in west-central Illinois. In this capacity, Mr. Miller is responsible for communications with the client and project team members, coordinating in-house technical staff, and assuring project timelines and objectives are being met.

Corporate Air Compliance Support – National Convenience/Gasoline Retailer: Project director responsible for evaluating applicability of onsite reciprocating internal combustion engines to recently promulgated federal MACT and NESHAP standards at facilities in Arizona, Texas, Missouri, and Georgia, and assisting each facility in complying with operational, maintenance, testing and emission requirements. Oversaw development of controls bid specification development and provided regulatory correspondence support with both the state and US EPA.

Air Permitting; Multiple Industrial Facilities; Midwest: Mr. Miller obtained, on behalf of 10 manufacturing clients, Construction and Title V Operating Permits and successfully negotiated permit limitations with regulatory authorities. In one instance, he negotiated a variance to allow for immediate ground breaking of a green field project prior to receipt of a construction permit.

Air Compliance; Multiple Industrial Facilities; Midwest: Mr. Miller provided Form R, Tier II, and Annual Emission Inventory services to various industrial clients to assist them in meeting federal and state reporting requirements.

### **Asbestos and Lead Management Projects**

Asbestos Management; Multiple Manufacturing Sites; Midwest: Mr. Miller completed asbestos inspections, developed management plans, and provided employee training to several manufacturing clients to comply with OSHA asbestos standards. He further assisted one client with the project design and abatement of thermal system insulation located in a large boiler / mechanical room.

Asbestos and Lead-based Paint: Mr. Miller successfully prepared, negotiated, and managed 20 task orders in excess of \$12 million to complete asbestos and lead-based paint surveys at all Postal Service facilities in the Midwest Area. Mr. Miller realized 35% reductions in asbestos and lead-based paint inspection related project costs through scope management and contractor negotiation, saving a total of \$2.8 million for the U.S. Postal Service.

Asbestos Inspection and Demolition Cost Estimate: Mr. Miller oversaw an asbestos inspection for NESHAP demolition purposes at a former manufactured gas plant in Council Bluffs, Iowa. Based on the asbestos inspection results, detailed abatement costs were developed for the removal of asbestos containing materials, and an engineering estimate was developed for the demolition of onsite structures and site restoration activities (i.e. grading). Based on the cost estimates and availability of year end funds, the client decided to proceed with the abatement, demolition, and site restoration activities. Mr. Miller served as the project manager responsible for all phases of the project effort including, but not limited to, bid specification development, contract bidding, subcontractor selection and negotiation, regulatory notifications, coordination and phasing of the work phases, utility shutoffs, and overall project CQA.

Asbestos Inspection and Abatement: Mr. Miller performed an asbestos inspection at a former Denny's restaurant building located in Omaha, Nebraska under consideration for purchase by a client for redevelopment as a convenience / fuel facility. The property was ultimately purchased for redevelopment and Mr. Miller oversaw the bid specifications development, negotiated and subcontracted with a licensed asbestos abatement contractor, filed the necessary NESHAP notifications with the Nebraska Department of Health and Human Services and Nebraska Department of Environmental Quality, provided full time oversight during the abatement activities, and performed the final visual inspection following abatement. In all, approximately 500 square feet of sheet vinyl flooring was abated as well as a previously unidentified mastic material that SCS identified during the abatement effort, sampled, and found to also be asbestos-containing. The project was completed within two days of the client closing on the property allowing for the immediate demolition and development of the subject property.

### **Emergency Response Projects**

PCB Site Characterization and Remediation: Mr. Miller served as the Project Manager for a remediation project completed by SCS for the Omaha Public Power District. Mr. Miller was responsible for client and regulatory communications associated with remediation activities at six substations with historic PCB contamination. Mr. Miller prepared the Work Plan, negotiated Work Plan Modifications on the clients' behalf, and identified various opportunities to reduce remediation waste disposal. Mr. Miller oversaw all environmental sampling activities, field laboratory analysis, and excavation activities for this effort. The project has been recognized by the Nebraska Industrial Council on the Environment (NICE) as the Environmental Project of the Year for 2005.

Transformer Oil Release (Spill Response): Mr. Miller managed the assessment and clean up of two separate oil releases that occurred at the same location. The releases were the result of vandalism and each release had a different responsible party. Mr. Miller coordinated response activities, performed sampling, and directed excavation activities. Based on sample results (PCBs), one release was managed under the EPA Spill Cleanup Policy and the other was managed as petroleum contaminated soils under the State's Integrated Waste Management rules.

Spill Response Services: Mr. Miller oversees SCS spill response services performed out of the Omaha office. Since 2006, spill response services have been provided to various clients (Utilities, Fuel Retailers, Sand and Gravel Operations) at over 2,000 different spill sites. Activities performed by Mr. Miller included initial call receipt (24 hours per day) and diagnosis, site reconnaissance and mitigation control strategy development, coordination of field equipment and manpower, cleanup activities and oversight, waste characterization, disposal coordination, and site restoration activities. As part of these spill events, Mr. Miller was responsible for all communications with the client representatives as well as the regulatory representatives; if necessary. In some cases additional follow on activities have been performed such as environmental sampling and reporting.

### **Environmental Compliance**

Spill Prevention Control and Countermeasures Plan, Grand Island, Nebraska: Mr. Miller developed an SPCC Plan for an asphalt terminal in central Nebraska with onsite storage capacity in excess of 5 million gallons. As part of this effort, Mr. Miller completed the site visit and data acquisition efforts, communicated site conditions to an SCS professional engineer, drafted the written plan, and completed the substantial harm analysis.

Storm Water Management Plans, Midwest United States: Mr. Miller provided senior support for the inspections of nearly 40 waste hauling facility repair shops and transfer stations and the development of storm water management plans. As part of this effort, Mr. Miller was responsible for

evaluating the need for industrial storm water discharge coverage, determining if a “no exposure” condition existed, and assuring that a “notice of intent” was submitted to the appropriate state for coverage if a permit was required.

Environmental Reconnaissance Study, Bellevue, Nebraska: Mr. Miller oversaw an environmental reconnaissance study of electric utility assets at Offutt Air Force Base. The purpose of this effort was to document any potential liabilities associated with the assets which were being transferred to our client as part of the base privatization effort. Mr. Miller reviewed available environmental literature related to the utility assets; reviewed prior PCB sampling results for on base transformers, performed limited sampling of utility substations for PCB contamination, and determined SPCC applicability for each substation.

Internal Environmental Compliance Review Program, Nationwide: Mr. Miller developed, implemented, and managed an area-wide internal environmental auditing program that increased visibility of the EH&S personnel, increased the credibility of EH&S initiatives, and reduced issues of non-compliance 86% in first year. This program included 185 of the highest-risk facilities and resulted in nearly 400 internal reviews each year.

RCRA Compliance Audit: Mr. Miller performed a comprehensive RCRA compliance audit for two galvanizing plants in Oklahoma; both which were large quantity generators of hazardous waste. Activities included a comprehensive review of recordkeeping procedures (i.e. manifesting, waste profiling, etc.) for the past five years, a thorough review of onsite activities and waste handling and storage procedures, and development of findings and recommendations. The audit was performed in preparation for a State and EPA scheduled audit for which there were no issued letters of warning or notices of violation.

Multi-media Environmental Compliance Audit: Mr. Miller served as the Project Director for a multi-year, multi-site, compliance auditing program for a national asphalt roof manufacturer. Responsible for coordinating the SCS team, Mike led a 3-person team for a 4- to 5-day audit at nine facilities located throughout the United States. Audits covered all major environmental media, reviewed site operations and records, included entrance and exit briefings, and daily debriefs with outside Counsel.

Multi-media Environmental Compliance Audit: Mr. Miller served as the Project Director for a multi-year, multi-site, compliance auditing program for a national agricultural processor with elevators, milling, trans loading, and rail and port terminals. Responsible for coordinating the SCS team, Mike led a 2-person team for multi-day audits and served as the RCRA and Stormwater subject matter expert. Audits covered all major environmental media, reviewed site operations and records, included entrance and exit briefings, and daily debriefs with plant management.

RCRA Closure and Generator Training, Hastings, Nebraska: Mr. Miller served as the Project Director for a RCRA closure at a fiberglass manufacturing facility. Required under a consent decree, Mike developed the RCRA closure plan, obtained state-approval, oversaw closure activities of the drum storage pad, completed required sampling, and developed the closure report. Following state approval of the closure, as the Attorney General’s approved trainer, provided Basic and Intermediate Hazardous Waste Generator Training to site personnel over a 3-day RCRA course.

MS4 Industrial Facility Inspections, City of Omaha, Nebraska: Mr. Miller serves as the Project Director for a multi-year contract whereby SCS performs stormwater compliance inspections for industrial facilities regulated under the State’s General Permit and that are within the City’s Municipal Separate Storm Sewer System. SCS, augmenting the City’s staff, performs the site

inspections with a compliance assistance bend to assess facility compliance with permit requirements.

### **Industrial Hygiene Services**

**Respiratory Protection Program:** Mr. Miller developed a written respiratory protection program for a vehicle repair and maintenance shop. The written plan was developed to comply with OSHA requirements and addressed potential inhalation hazards associated with repair, body work, and painting activities, identified necessary types of respiratory protection (i.e.  $\frac{1}{2}$  face, supplied air, etc.), and detailed training requirements.

**Indoor Air Quality Testing and Evaluation:** Mr. Miller recently completed an investigation of potential exposure issues for a renewable fuels facility which converts animal fats to a fuel oil. The investigation was driven by employee comfort complaints and included the use of assay badges, silica gel tubes, and minicans to evaluate ammonia, sulfuric acid, various amines, and over 72 different volatile organic compounds.

**Indoor Air Quality Evaluation:** Mr. Miller was recently involved in an indoor air quality evaluation at a Post Office in Delta, Iowa. The evaluation was performed in response to both Postmaster and customer complaints about poor air quality and possible related symptoms (i.e. headaches, nausea, etc.). Mr. Miller coordinated the site activities, aided in developing the site review methodology, and reviewed the direct reading instrumentation results from the evaluation. A final report detailing the findings and conclusions was prepared and submitted to the client for further action.

**Air Monitoring:** Provided OSHA exposure air monitoring services for a pharmaceutical manufacturer. Specifically, performed personnel exposure monitoring to quantify potential exposure to total suspended carcinogenic dusts and respirable carcinogenic dusts generated during a milling process. Based on the analytical results, provided recommendations to minimize exposure.

**Indoor Air Quality; Multiple Facilities; Midwest:** Mr. Miller performed heat exposure monitoring to address an OSHA inquiry letter and drafted a client response letter to OSHA. He further assisted the client in assessing all areas of potential exposure for in-house monitoring purposes. No violation was issued. Mr. Miller also performed physical and chemical exposure monitoring at numerous other manufacturing facilities to assist clients with their EH&S compliance activities.

**Air and Noise Monitoring:** Provided OSHA exposure air monitoring and noise monitoring services for a manufacturing facility in Hastings, Nebraska. Specifically, performed personnel and area exposure monitoring to quantify potential exposure to total dusts and volatile organic compounds at various processes throughout the facility.

**Heat Stress Monitoring:** Provided heat stress monitoring services for a leather tanning facility in Omaha, Nebraska. Monitoring was performed using the Wet Bulb Globe Temperature Index technique to determine worker heat loads for comparison to established Threshold Limit Values.

**Indoor Air Investigations and Evaluations:** While with a previous employer, Mr. Miller contracted for and managed in excess of twenty five indoor air quality evaluations. Evaluations ranged from asbestos fiber release episodes to possible mold contamination to unknown and/or suspected workplace contaminants.

**Mold Mitigation:** Mr. Miller oversaw a mold mitigation project at the Nebraska Army National Guard's Airport Hangar in Lincoln, Nebraska following water infiltration during construction of a curtain wall.

Services included expert support to the Insurance Company, onsite testing and evaluation services, and subsequent mold mitigation and post mitigation monitoring.

Mold Mitigation: Following chiller system failure in an idled pharmaceutical manufacturing facility, Mr. Miller led and SCS team to provide turn-key building assessment and mold mitigation services. A large-scale mold mitigation effort, more than 50,000 square feet of building space was mitigated and sanitized restoring the space for occupancy.

### **Site Assessment, Investigation, and Remediation**

Phase I Environmental Site Assessments, Multiple Facilities; Nationwide: Mr. Miller has performed in excess of 500 Phase I Environmental Site Assessments to help assess potential environmental liabilities associated with client acquisition and divestiture activities. These assessments have been performed in accordance with the ASTM standard in place at the time of the assessment as well as with the EPA All Appropriate Inquiry rule. Sites have ranged from small vacant parcels to large complex industrial plants.

Environmental Due Diligence, Huntington National Bank, Nationwide: Since 2018, Mr. Miller has served as the Client Champion and Project Director for more than 150 due diligence assignments throughout the United States. Mike coordinates bids and deliverable submittal through the RIMS Central online portal, coordinates SCS project teams, and provides final QA/QC for project deliverables. Projects completed have included Record Search and Risk Assessments (RSRAs), Compliance Checks, Phase I ESAs, and Phase II ESAs.

Phase II ESA, Former Cement Manufacturer, St. Louis, Missouri: Mr. Miller served as the Project Director for a comprehensive Phase II ESA at a former Portland cement manufacturing facility in 2023. Responsibilities included project scoping, sampling methodology, subcontract drilling coordination, data quality review for laboratory results, and QA/QC for final reporting. Scope included soil and groundwater sampling and analysis for the manufacturing plant and the adjacent river port terminal.

Phase I and Phase II ESAs, Multi-site Concrete Batch Plants, Illinois: Mr. Miller served as the Project Director for a portfolio of seven concrete batch plants in central and southern Illinois. Completed in 2023, four sites progressed to Phase II ESAs to further evaluate recognized environmental conditions (RECs) that were identified during the Phase I ESAs. SCS, as part of the project, developed remedial estimates for purposes of escrow to allow for post-closing remediation.

Risk Based Corrective Action: Mr. Miller served as the project manager for a preliminary assessment, Tier 1 Site Investigation, and Tier 2 Site Evaluation for a former jet fuel pipeline release site in Bellevue, Nebraska. Mr. Miller coordinated site activities with the responsible party, landowner, and regulator and directly oversaw SCS field personnel and subcontracted drilling personnel for the sampling of existing groundwater monitoring wells and installation and sampling of new groundwater monitoring wells installed as part of the Tier 1. Subsequent to the Tier 1, and Tier 2 investigation using our company owned Geoprobe was performed for the subject property to evaluate the groundwater ingestion pathway. SCS is currently evaluating the site specific target levels and developing the remedial action to address the impacted groundwater.

Substation Remediation, Nebraska Public Power District, Scottsbluff, Nebraska: Mr. Miller served as the Project Director for a substation remediation project. As part of a decommissioning, more than 2,400 tons of remediation waste were excavated and transported to a Subtitle C Landfill in Utah. Mike completed waste profiles and approvals, coordinated transportation, planned and oversaw post-excavation sampling, and completed project closeout documentation. In addition to PCB

remediation waste, limited asbestos-containing ductwork was also removed and properly managed as Nebraska special waste.

Soil Vapor Extraction System, Dollar General Store, Alabama: Mr. Miller served as the Project Director for a Phase I ESA of a former grocery store to be acquired and redeveloped into a Dollar General Store. Multiple recognized environmental conditions (RECs) were identified including a former, in-store, drycleaner. Prior to closing, Mike led the SCS team to design and install a sub-slab, soil vapor extraction system. SCS, as part of the system commissioning, developed an operations and maintenance manual and routine monitoring program to ensure continued system operations and efficacy to protect building occupants.

### **Solid Waste Landfill**

Construction Plans and Specifications: Mr. Miller has served as the Project Director for numerous landfill liner phase development projects in Iowa and Nebraska. Responsible for coordinating SCS staff and assuring client timelines are met within budget, he has also provided QC review of project deliverables, assisted with preparation of engineer estimates, and provided bid review support for contractor selection. Specific experience includes:

- Butler County Landfill, David City, Nebraska (Waste Connections, Inc.): Design and subsequent preparation of construction documents for a 5.7-acre composite liner and a 10.4-acre closure of a C&D landfill. Services included bid support, contract administration, and preparation of as-built drawings.
- Permit Modification, Liner Design and Construction Documents – Tracy, Iowa: Design and permitting of the 8-acre Cell 4F liner and leachate system for South Central Iowa Solid Waste Agency Landfill. Oversaw development of the construction documents and provided bid support to the Agency.
- Gering Landfill – Gering, Nebraska: Design and permitting of the Cell 6 liner and final cover. Liner design required that the redesigned liner fit with the existing constructed liner grades that were inconsistent with the permitted grades. Additionally, portions of the liner were constructed over the existing waste. The major design considerations included constructability, construction access, existing site conditions, and minimizing waste excavation on liner overlay. Mr. Miller oversaw development of the construction documents and provided bid support to the City.
- Liner and Final Cover Design, Grand Island Regional Landfill, Grand Island, Nebraska: Oversaw the major modification design project for the landfill which effectively increased landfill capacity by expanding the footprint laterally and increases the side slopes from 6:1 to 4:1. The alternative footprint required that the liner grades be redesigned while considering leachate management and constructability. The additional permitted area required re-routing an existing drainage channel so storm water calculations were performed to ensure that the re-routed drainage channel had sufficient capacity. Additional design elements were a perimeter access road and site phasing.

Construction Quality Assurance: Mr. Miller has served as the Project Director for numerous landfill liner, closure, and gas system construction quality assurance (CQA) projects. In addition to his role coordinating SCS's staff, Mike has been principally responsible for negotiating client contracts, providing regulatory correspondence, and reviewing project deliverables. Specific experience includes:

- Cell Liner and LFG System CQA, Bluff Road Landfill, Lincoln, Nebraska: CQA of a 12-acre cell at the Bluff Road Landfill. Mr. Miller led a team of field technicians, engineers,



surveyors, and technical staff that documented construction of the 12-acre cell and landfill gas collection system in accordance with construction specifications and drawings.

- Liner & Leachate System Construction Quality Assurance - Mitchellville, Iowa: CQA of the 11-acre Cell C North liner and leachate system construction project for Phase II of the Metro Park East Landfill. In addition to traditional liner and leachate collection system design elements, the project included construction of a groundwater underdrain network, field-adjusted side slope seepage control trenches, and electrostatic leak location testing of the geomembrane liner. Received IDNR approval in one day following CQA report submittal.
- Cell Liner & Leachate System Construction Quality Assurance - Tracy, Iowa: CQA of the 8-acre Cell 4F liner and leachate system construction project for South Central Iowa Solid Waste Agency Landfill. Included an overlay of both Subtitle D and pre-Subtitle D areas. Received IDNR approval in two days following CQA report submittal and project was delivered under budget (both planned and bid budgets).
- Cell Liner Construction Quality Assurance, Waste Connections, David City, Nebraska: CQA for two separate (CY 2013 and CY 2015) six acre cells at the Butler County Landfill. Mr. Miller led a team of field technicians, engineers, and technical staff that observed construction and developed the CQA report. The facility received approval to place waste from the NDEQ approximately two weeks after completing construction.
- Cell Liner Construction Quality Assurance, Waste Connections, Milford, Nebraska: CQA for a two acre cells at the G&P Development Landfill. Mr. Miller led a team of field technicians, engineers, and technical staff that observed construction and developed the CQA report. The project involved constructing portions of the liner over existing waste which required significant volume of waste be relocated to facilitate construction and relocation of the leachate management system.

Permitting and Design: Mr. Miller has served as the Project Director for numerous landfill and transfer station permitting projects in Iowa and Nebraska. Responsible for coordinating SCS staff and assuring client timelines are met within budget, he has also provided QC review of permit applications prior to submittal to the applicable regulatory entity. Specific experience includes:

- Permit Renewals – Completed for Multiple Iowa Facilities: Mr. Miller has served as Project Director for multiple teams to support landfills and transfer stations with renewal of their Iowa DNR Sanitary Disposal Permits (SDP) as they have come due.
- Permit Renewals – Completed for Multiple Nebraska Facilities: Mr. Miller has served as Project Director for multiple teams to support landfills and transfer stations with renewal of their Nebraska Department of Environment and Energy (NDEE) Title 132 Permits. Permits completed have included 5-year renewals, minor and major modifications, and greenfield siting and permitting. Support has included municipal and private owned MSW landfills, C&D landfills, transfer stations, and composting operations.

Regulatory Compliance Support: Mr. Miller has provided regulatory support to landfills throughout the Midwest with respect to air quality, groundwater, stormwater, spill prevention, control and countermeasure (SPCC), and various other compliance matters. He has successfully negotiated regulatory complaints in support of client operations and has helped prepare numerous compliance action plans to help clients come into compliance. Specific experience includes:

- Annual Services – Completed for Multiple Iowa Landfill Facilities: Mr. Miller has served as Project Director for multiple projects entailing groundwater sampling and reporting, liquid

level measurements, leachate control system performance evaluations, Iowa Administrative Code 567 Chapter 113 landfill gas monitoring, financial assurance estimates and reporting, airspace analysis, and facility inspections. He has been involved in this work for more than a decade and has completed projects at more than a dozen active and closed municipal solid waste, construction and demolition, and industrial landfills, in addition to transfer stations, across Iowa.

- Groundwater Monitoring and Reporting, Multiple MSW Landfills, Nebraska: Mr. Miller serves as the contract administrator and Project Director for ongoing groundwater monitoring projects at nine active MSW landfills and two closed landfills in Nebraska. In this capacity, he is responsible for project staffing, client interface and regulatory discussions, as necessary.
- Environmental Monitoring and Annual Services, Sioux Falls Regional Landfill, South Dakota: Mr. Miller served as the Project Director for support to the City for more than a decade and oversaw projects related to groundwater monitoring and reporting, well installation and abandonment, landfill gas monitoring and gas collection control system repair and construction, waste screening training, and countless miscellaneous tasks to support compliance with environmental and solid waste permits.

### **Solid Waste Planning**

City of Council Bluffs, Iowa - Solid Waste Rate Study: Mr. Miller was the Project Director for the cost of service and solid waste rate study completed in 2020. The study was used to set rates for citizen services related to curbside solid waste collections, recycling, and bulky item and appliance pickup, services. The study was also used to determine rates at the City-owned and operated Recycling Center.

City of Council Bluffs, Iowa - Solid Waste Collections Modernization and RFP Development: Mr. Miller was the Project Director for the solid waste collections alternatives analysis and scenario numerical modeling effort completed in 2021. Based on the scenario modeling, Mike led the City internal discussions with Mayor and Council, led the public engagement effort which included two Open Houses, and led the SCS and Public Works team to develop the RFP. The services contemplated in the RFP modernized the City's collection system and set the stage for the decades to come. In support of this project, Mike calculated total system greenhouse gasses and evaluated the total life-cycle environmental footprint of alternatives.

Iowa Department of Natural Resources, Sustainable Materials Management Vision for Iowa Phase II: The DNR contracted with SCS to assist with developing and implementing Phase II of the Sustainable Materials Management – Vision for Iowa initiative. Mike served as the Project Director for this multi-year, stakeholder led initiative to investigate and modernize Iowa's existing integrated solid waste management policy and programs.

City of Lincoln, Nebraska - Waste Characterization Studies, Bluff Road and North 48th Street Landfills: Mr. Miller is the City of Lincoln Client Champion and has served as the Project Director for numerous waste characterization studies including a 4-season open top container study, single stream curbside recyclables study, citizen collection site recyclables study, and multi-year MSW studies.

City of Lincoln, Nebraska - Solid Waste Management Plan Update: Mr. Miller was the Project Director for the 5-year update planning effort for the City's Solid Waste Management Plan 2040. Completed in 2021, the SCS Team adapted the use of virtual platforms around Covid-19 constraints to fully engage with and benefit from input of the 15 community representatives and stakeholders. Mike

oversaw and coordinated data aggregation, background research, mapping out the existing integrated solid waste management system, and preparing comprehensive solid waste management plan. Worked closely with City personnel and community representatives, we developed short-term and long-term strategies for waste diversion such as recycling, composting, and source reduction.

City of Omaha, Nebraska - Yard Waste Study: SCS Engineers was retained by the City of Omaha in 2016 to perform a Yard Waste Study, Public Opinion Survey, and Peer Community Benchmark related to solid waste collection services. The City, via a single contractor, provided weekly collection of garbage, recyclables, and yard wastes from approximately 144,000 residents. The purpose of the study was to evaluate economic and environmental aspects of various yard waste management scenarios including: 1) separate collection and composting of yard wastes and, 2) comingled collection of yard waste with garbage and landfilling. Mr. Miller served as the Project Manager and coordinated the SCS Team of engineers, scientists, and planners to deliver the project.

City of Omaha, Nebraska - Public Engagement and Procurement Assistance: As a continuation to the Yard Waste Study, SCS Engineers was engaged to provide community outreach support. Mike led the SCS team and developed a total of 9 large scale Poster Boards which graphically portrayed the Study results and facilitated four public outreach open houses throughout the City. Citizen feedback was obtained and summarized to help guide programmatic changes.

City of Omaha, Nebraska - Solid Waste Collections and Recyclable Processing Procurement Assistance: Mr. Miller served as the Project Director for two public procurements. The first, arguably the largest public procurement in Omaha history, was a \$500 million dollar, 20 year collections contract (base 10 year with two 5 year renewals) to provide services to more than 144,000 households. The second was a multi-year recyclables processing contract which utilized a weighted average commodity value (WACV) pricing approach to better share the risk/reward between the City and Contractor. For each project, SCS developed the Technical Specifications, prepared the bid documents, completed pre-solicitation meetings, and ultimately helped the City of Omaha successfully reach an agreement that was approved by City Council. Of note, the WACV pricing approach for the recyclables processing contract resulted in first year savings of more than \$1.2 million dollars or a reduction of 75% in processing costs paid by the City.

Statewide Characterization Study for the Iowa Department of Natural Resources - The Iowa DNR retained SCS Engineers to perform the 2022 and 2017 Iowa Statewide Material Characterization Study. Each study included 10 host facilities across the state of Iowa and resulted in a total of 500 MSW samples manually characterized and construction/demolition debris visually screened. MSW samples included waste from residential, institutional, commercial, and industrial generators. Mike served as the Project Director and supported the SCS Team to complete these large efforts.

City of Marion, Iowa Solid Waste Collections Modernization: Mr. Miller was the Project Director for the solid waste collections alternatives analysis and scenario numerical modeling effort completed in 2023 which led to the City's decision to modernize their collection fleet to split-body trucks and carted, automated, collections. Currently supporting the City to develop a cart specification and request for bid and facilitating review of City ordinances and billing policies to establish rates for service.

City of Mason City, Iowa Recyclables Processing Contract: Mr. Miller was the Project Director and principal author for the City's new solid waste recyclables processing contract which commenced January 1, 2024. The contract was necessary following the inability of the prior contractor to provide the services. SCS developed the contract framework and performance specifications which was then utilized by City to negotiate a long-term agreement with a new vendor including a base contract period and optional renewal periods.

## Underground Storage Tanks

**Underground Storage Tank Auditing:** Mr. Miller oversaw the UST auditing efforts for the US Postal Service's Midwest and Western Area regions. As part of this responsibility, Mr. Miller developed the auditing protocol to be used by internal staff (both environmental and facility staff) in the performance of internal UST inspections. Additionally, Mr. Miller contracted with a third-party and co-developed a training course to provide UST Inspection training to affected internal personnel. The training course covered regulatory background, USTs and ancillary equipment, leak detection and automatic tank gauging systems, and reporting requirements.

**Underground Storage Tanks:** Mr. Miller oversaw the removal of petroleum underground storage tanks in Nebraska, Iowa, and Missouri while at the US Postal Service. Mr. Miller was responsible for preparing all bid documents, evaluating bid submittals, overseeing contracted support, and reviewing and approving closure documentation.

**Leaking Underground Storage Tanks:** Mr. Miller successfully managed risk-based corrective actions at seven leaking underground storage tank sites in Nebraska and South Dakota resulting in "No Further Action" letters from the state regulatory authority.

**Underground Storage Tank Removal and Replacement, Omaha, Nebraska:** Mr. Miller oversaw the removal of petroleum underground storage tanks at the US Postal Service Main Plant in Omaha, Nebraska. Following the removal in 2021, Mike coordinated the installation of three new USTs, new piping, and construction and installation of a new pump island, canopy, and installation of four new pumps and monitoring systems.

**Underground Storage Tank Removals, Statewide, Iowa:** Mr. Miller has served as Project Director for numerous UST removal and closure projects throughout the State of Iowa. Recent projects, completed in 2023, have included tank and line closure oversight and reports, Tier I, II, and III reports, establishment of Environmental Covenants, and expansion of SVE systems.

## Publications and Presentations

Michael J. Miller and Karla Welding, March 2022, 'Lincoln Delivers Sustainable Recycling Solutions', *APWA American Public Works Association, Reporter*, Vol. 89, No. 3, pp. 64-67.

Jeffrey D. Marshall and Michael J. Miller, Fall 2023, 'What Does EPA's Proposed PFAS Regulation Mean for Commercial Real Estate?', *Commercial Real Estate Development, Development*, Vol. LIV, No. 3, pp. 28-33.

Michael J. Miller, June 2023, 'A Practitioner's Guide to PFAS', *Nebraska State Bar Association 2023 Energy Summit*, Kearney, Nebraska.

Meagan J. Deichert and Michael J. Miller, July 2016, 'Environmental Due Diligence in Property Transactions: Who, What, When, and Why?', *Nebraska State Bar Association Environmental Section*, University of Nebraska Lincoln Law College, Lincoln, Nebraska.