



**SHERYL R. SMITH**

**EDUCATION**

M.E., Civil Engineering, Cornell University, 1982  
B.S., Civil Engineering, University of Illinois, 1980

**PROFESSIONAL REGISTRATIONS/CERTIFICATIONS**

**AREAS OF EXPERTISE**

Ms. Sheryl R. Smith has program management and technical experience in the following general areas:

- Benchmark Studies
- Biomass Sourcing Studies
- Client Competitor Analysis
- Coal Ash Beneficial Reuse Market Assessments
- Expert Witness – Waste Market Analysis and Solid Waste Plan Consistency
- Feasibility Studies
- Solid Waste Management Market Assessments
- Strategic Planning/Business Planning

**REPRESENTATIVE EXPERIENCE**

Ms. Smith is the National Market Director for Power with more than 40 years of technical, financial and market analysis experience related to solid waste and/or power projects. She has developed and executed market strategies for growing regional and national power accounts. She is a strong leader with documented accomplishments in sourcing, creating, and expanding business opportunities for new and existing clients across various geographies. Experienced in coal ash management beneficial reuse and project borrow benchmark studies, the transmission siting process, solid and industrial waste market analysis, data collection and management, and biomass sourcing studies. Her strengths include collaborative team building and mentoring, client relationship development and preservation, account planning and strategy development and execution for the power market.

**Solid Waste Services & Strategic Planning Experience**

**City of Sandy, Transfer Station Business Plan Update – Utah (Task Lead: 2019)**

Environmental engineer responsible for completing survey calls to public works departments to gather data on waste generation and recycling. Collected and compiled data from government agencies regarding landfills, recycling companies, transfer stations, and hazardous waste handling. Developed text and figures to present the collected information.

**Moffat County Board of Commissioners, Landfill Strategic Solid Waste Management Plan - Moffat County, CO (Task Lead: 2016)**

Ms. Smith was responsible for the development of a strategic solid waste management plan (SSWMP) for a small rural landfill in Northwest Colorado. The project involved the development of the State of the Practice presentation, which identified current services and customers and waste tonnages delivered to the Moffat County Regional Landfill (MCRL); market players including haulers, landfills, compost

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COUNTY CLERK

operations, sludge impoundments and transfer stations operating in and near the county; and suggested future waste streams to be accepted. The presentation also identified potential additional solid waste services and waste streams to be handled at the MCRL, consideration of the acceptance of out of county receipts, and identified topics for a future workshop that could increase revenues and/or profitability.

**Pedersen & Houpt, Moen Transfer Station Expert Witness Testimony – Moen, IL (Project Manager: 2015).** Ms. Smith prepared a report and provided expert witness testimony at the pollution control facility siting hearing challenging the need report provided by the applicant.

**Solid Waste Facility Siting Expert Witness Testimony – IL and IN (Project Manager: 1996 – 2015)**

Ms. Smith prepared or reviewed need reports for 25 municipal solid waste landfills and 12 transfer stations in Illinois. The reports document the service area for the facility, estimated the quantity of municipal and industrial waste to be generated in the service area over the proposed operating life of the facility and compare that to the remaining disposal capacity of the landfills or processing capacity of the transfer stations receiving waste from the service area. Data was analyzed on the status of regional permitted and pending landfills, transfer stations and waste-to-energy facilities, along with data on types, tons and sources of waste received at each facility, the remaining disposal capacity, daily processing capacity, and projected closure dates of these facilities. Also addressed plan consistency issues for many of these facilities which required the evaluation of the solid waste plans and plan updates to determine the counties' preferred methods for waste minimization, recycling and disposing of the non-recycled waste stream. Prepared and delivered expert witness presentation materials and testimony related to the Need and Plan Consistency criteria.

**Confidential Client Landfill Evaluation, OK (Task Lead: 2015-2016)**

Ms. Smith was the task lead who evaluated the current types and quantities of municipal waste and construction and demolition debris streams, the existing recycling or reuse programs and the historic operating costs of this program. A market study was conducted of potential off-site waste streams and revenues. Ms. Smith developed an economic model to evaluate the potential costs of expanding the current landfill, and development of an off-site option, including the use of existing off-site operating landfills. The results of these evaluations were included in a larger Feasibility Report for the Client.

**Garfield County, Landfill Strategic Solid Waste Management Plan – Garfield County, CO (Task Lead: 2013-2014)**

Ms. Smith led the technical team in development of the SSWMP, incorporation of other team member's research into the plan, development of the state of the practice, solid waste workshop, and SSWMP presentations. Attended several executive session meetings to discuss details of a financial model prepared to help the county forecast cash flow from implementation of the SSWMP infrastructure recommendations at the request of Board of County Commissioners. As a direct result of implementing some strategies for new services and potential clients identified in the SSWMP, landfill revenues increased in 2014 from \$1.2 million to \$1.8 million.

**Pedersen & Houpt, Caseyville Transfer Station Expert Witness Testimony – Caseyville, IL (Project Manager: 2014).** Ms. Smith provided expert witness testimony at the pollution control facility siting hearing challenging the need report provided by the applicant. Representative for the village of Fairmont

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City, which was opposing the transfer station. Testimony was provided under oath and there was no cross examination by the applicant.

**Solid Waste Authority of Central Ohio, Materials Recovery Facility Evaluation – Columbus, OH (Task Lead: 2012)**

Ms. Smith coordinated data requests from SWACO and prepared a presentation discussing background information on the current and proposed operations of a proposed Material Recovery Facility developer. The presentation highlighted trends in the paper mill industry, summarizing proposed operation of the facility, and identified similar successful public-private partnerships in the state.

**Confidential Client, Landfill Siting Study and Financial Model - MO (Task Manager: 2011)**

Ms. Smith prepared a business model and report which presented the development, permitting, engineering, construction, operations, closure, and post-closure costs for a proposed municipal solid waste landfill, which could provide 30 years of disposal capacity for a consortium of approximately 200,000. A regional consortium used this report during their consideration of the development of a new regional solid waste management facility.

**Confidential Client, Waste Conversion Technology Alternatives Study – IA (Task Lead: 2010 – 2011)**

Ms. Smith prepared a business model and report to compare the financial feasibility of incorporating different conversion technologies with an existing Resource Recovery Plant (RRP) that processes local Municipal Solid Waste (MSW) and generates Refuse Derived Fuel (RDF). The RDF is then sold to the local utility as a supplemental fuel which reduces the amount of waste that the client must landfill. The team evaluated pyrolysis, gasification, pyrolysis-gasification and plasma arc technologies and estimated the economic feasibility for each one of these systems on the existing RDF operation. Developed the business model which included the projected revenue and operating costs and potential cost savings from the existing RDF operation, over a 20-year operating life. Evaluated local, state and federal tax incentives, grants, and loans that might be applicable for the development of a waste conversion technology system.

**St. Louis County, Solid Waste Beneficial Reuse Program-Risk-Based Application Process - St. Louis, MO (Task Lead: 2010)**

Ms. Smith prepared an overview of state-specific ordinances and approvals and applications for special use of industrial wastes including coal combustion byproducts.

**Municipal Solid Waste Incinerator Feasibility Study – MD (Task Lead: 2009)**

Ms. Smith conducted a feasibility study for a confidential client to determine whether sufficient municipal solid waste was available to develop a 2,000 ton per day waste to energy facility and whether it was economically feasible to develop the project. The report included 20-year projections of the net amount of waste requiring disposal, an analysis of the capacity and pricing for alternate disposal facilities available to handle waste from a two-county service area in central Maryland.

**Economic Benefits Study for a Proposed Landfill Expansion – Decatur, IL (Project Manager: 2009)**

authored the technical memorandum for current and future gypsum and fly ash usage in the study area and developed tables and figures to present the collected information.

**Dominion Energy, Beneficial Use Study - VA (Beneficial Use Task Lead: 2017)**

Ms. Smith performed a beneficial use market study required by the Virginia General Assembly under Senate Bill 1398, to determine available closure options for the ponds at four of Dominion's Power generating stations and the ability to recycle excavated pond materials. Ms. Smith performed a market review to assess the demand for fly ash meeting ASTM C-618 standards, and contacted both regional and non-regional ready mix, concrete, and cement kiln facilities, utilities selling fly ash, and other CCR marketers. The report quantified the desire and ability for end users to use beneficiated fly ash. State Department of transportation agencies were contacted to determine accepted fly ash replacement rates in concrete use and projected the long-term demand for fly ash. Ms. Smith also contacted potential beneficial use technology vendors to assess the feasibility of processing ponded ash at one centrally located Dominion station or at multiple stations.

**Confidential Client, Utility Soil Management Study - KY (Task Lead: 2017).** Ms. Smith identified commercial borrow sources, and off-site properties that could provide structural fill, sand, clay, aggregate, and topsoil needs for current and future utility construction management projects. Ms. Smith developed and implemented the benchmark surveys used for commercial borrow source quantity and pricing data collection and coordinated site visits and borrow sample collection for geotechnical testing. Reviewed key exclusionary input parameter data for the off-site property borrow study evaluation based on GIS file overlays and interpretation. These studies were conducted for multiple power stations.

**Confidential Client, Utility Benchmark Study, Ponded Ash – IN (Task Lead: 2017)** Ms. Smith was the task lead responsible for conducting the benchmark survey to assist a confidential utility client identify alternate users of ponded ash consisting primarily of fly ash with limited quantities of scrubber sludge and bottom ash. Ms. Smith coordinated efforts to reach out to cement kilns to determine if they received samples of ash for testing and what the decision-making process would be in the event the firms were interested in making an offer to purchase the ash. Conducted follow up calls with potential users and developed the summary report from the benchmark study.

**Confidential Client, Utility Soil Management Study - Various Locations (Task Lead: 2013).** Project manager for work activities related to identification and analysis of on-site and off-site greenfield areas for potential borrow materials for future plant soil needs. Responsibilities included review of the draft and final reports prepared for each task. Also led the Commercial Sources task team which developed a commercial survey of potential borrow sources within 50 miles of the utility and conducted the drive-by surveys of commercial vendors likely to provide borrow materials. The results of these studies were compiled in a memo and discussed with the client.

**Confidential Client, Utility Fly Ash Market Study - US. (Project Manager: 2010-2011)** Ms. Smith was responsible for the technical development of the study, including developing surveys used to conduct benchmarking on the potential market for fly ash. Ms. Smith was the principal author of the report that explored cement usage trends in a 50-mile service area for three different fossil fuel power stations and the fly ash usage from green and renewable energy technologies. A 20-year planning period was evaluated that the projected cement/fly ash usage and fly ash generation was forecast and evaluated.

**SPECIALIZED TRAINING**

- TRC Client Account Management Training, 2021
- TRC Leadership Essentials and Development Training, 2021
- URS Client Account Management Training, 2010
- URS Certified Project Manager, 2011/ AECOM Certified Project Manager, 2015
- Fully Licensed Salesforce CRM User/ Fully Licensed Zoho CRM User
- AECOM Ready to Win Proposal Management Training, 2014

**PROFESSIONAL AFFILIATIONS**

- American Coal Ash Association, 2016 – 2023
- Women's Energy Network, Ohio Chapter Board Member, Sponsorship Director, 2020 – 2023; President-2023
- National Waste & Recycling Association, Member of Ohio Chapter, 1994-2022
- SWANA-Ohio Buckeye Chapter, Board of Directors, 1996-2017; President 2000 – 2001; Member 2021
- TRC Mentorship Program 2022-2023
- TRC Gaining Rewarding Opportunities for Women (GROW) MI-OH-IN Steering Committee, 2022 -2023

**AWARDS**

- 2014 URS Outstanding Quality Award
- 2017 SWANA Ohio Chapter Award, Board Member, 1996 – 2017
- 2018 AECOM's Environment Business Line, International Women's Day Recognition Award.
- 2022 TRC's International Women's Day Recognition Award

**SELECTED PUBLICATIONS AND PRESENTATIONS**

Smith, S. 2021. "Are Unencapsulated Uses of Fly ash Safe?" Ash at Work, issue 1, 2021.

Smith, S. "Groundwater Compliance & Strategy Insights for CCR Rule Stakeholders." Presented at World of Coal Ash. May 19, 2022. Covington, Kentucky.

Smith, S. "Instrumentation Computer Based Training Presentation." Presented at World of Coal Ash. May 6, 2015. Nashville, Tennessee.

Smith, S. "Benchmarking Study for CCP Beneficial Reuse: A View of the Market." Author, Presented by others at World of Coal Ash. April 25, 2013. Lexington, Kentucky.

**EXPERT TESTIMONY**

Prepared reports and provided expert witness testimony as part for the local siting process in Illinois for the development of new and expanded solid and hazardous waste management facilities, for various clients, 1996 – 2015. Ms. Smith was an expert witness testimony related to the Need for the facilities and their consistency with the relevant county solid waste management plan.