A close-up of a person smiling

Description automatically generatedGreg McCarron, pe, ccp

### **Education**

BS – Environmental Engineering, Rensselaer Polytechnic Institute, 1986

### **Professional Licenses**

Professional Engineer – Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Virginia

### **Specialty Certifications**

Certified Composting Professional, US Composting Council

### **Professional Affiliations**

US Composting Council

Solid Waste Association of North America

### **Professional Experience**

As a Vice President, Mr. McCarron is responsible for overseeing SCS’s nationwide organics management practice, which includes edible food rescue, composting, anaerobic digestion, operation and maintenance, and construction. Mr. McCarron works closely with SCS’s national and regional clients. Since joining SCS in 1990, he has completed planning, permitting, facility design, compliance, operations, and other environmental projects for municipal and private clients.

Projects typically involve feasibility studies, due diligence investigations, facility siting, site investigations, environmental studies, permitting, design, and operation services. Facilities have included compost, pre-processing, and support facilities (e.g., stormwater, utilities). Other projects have included permitting, compliance documents, and preparation of various procurement documents.

Notable projects that Mr. McCarron has been involved in are described below.

Organics Management

**Southeastern Connecticut Regional Resource Recovery Authority, Development of Food Scrap Compost Facility.** Project Director responsible for development of a food scrap compost facility, entailing several assignments, including a pilot test; a feasibility study; and local permitting. Provided aerated static pile compost equipment to conduct the pilot test. Prepared an economic pro forma to estimate construction and operating costs. Prepared a site plan application to meet the local town requirements. SCRRRA is made up of 12 towns in southeastern Connecticut.

**Chester County Solid Waste Authority, Pennsylvania, Evaluation of an Existing Compost Facility.** Project Director responsible for evaluation of an existing yard waste compost facility. Evaluated operating options, including aerated static pile and straddle turner configurations. Prepared process calculations and site plans for each option.

**FCC Environmental, California, Design and Permitting of a New Compost Facility.** Task Manager responsible for preparation of construction documents for new composting facility.  Prepared process calculations and plans for a green waste aerated static pile system and a food waste covered aerated static pile system. Provided remote monitoring and control system, based on temperature, for the green waste system.

**Blessings Blends, Delaware, Design of a New Compost Facility.** Project Manager responsible for provision of design services for a poultry residual compost system, using in-building aerated static pile technology.  Provided structural, mechanical and electrical design plans. Provided remote monitoring and control system, based on temperature and pressure, to optimize the compost process.

**Private Company, Florida, Design of a New Compost Facility.** Project Manager responsible for provision of design services for a sugar residual compost system, using open windrows.  Provided civil design plans for zero water discharge.

**Tully Environmental, Inc., Pennsylvania, Design of a New Compost Facility.** Project Director responsible for provision of design services for a biosolids compost system, using SG/Gore technology, for the Natural Soil Products facility.  Provided structural, mechanical, and electrical design plans.

**Private Companies, California and Nevada, Feasibility Study for Anaerobic Digestion.** Technical Advisor responsible for preparation of a financial pro forma and letter report.

**Private Company, Delaware and Maryland, Due Diligence Review for Anaerobic Digestion.** Project Manager responsible for due diligence review of anaerobic digestion facilities for a potential investor. Reviewed process information/assumptions on existing operational facilities and facilities under construction; conducted site visits; and, reviewed pro forma.

**Private Company, Maryland, Design of a New Compost Facility.** Project Manager responsible for preparation of a conceptual design and layout of a large-size composting facility.  Prepared process calculations and site plan to illustrate aerated static pile and windrow phases.

**Santa Cruz County, California, Design and Permitting of a New Compost Facility.** Task Manager responsible for preparation of design plans and California Environmental Quality Act documents for new composting facility.  Prepared process calculations and plans for green waste and food waste aerated static pile system.

**Kittitas County Solid Waste Department, Washington, Design and Permitting of a New Compost Facility.** Task Manager responsible for preparation of construction documents for a hybrid composting facility.  Prepared process calculations and plans to illustrate aerated static pile and windrow phases.

**Los Alamos County, New Mexico, Design of a New Compost Facility.** Task Manager responsible for preparation of construction documents for a hybrid composting facility.  Prepared process calculations and plans to illustrate aerated static pile and windrow phases.

**Chittenden Solid Waste District, Vermont, Design and Business Analysis for Expansion of a Compost Facility.** Project Manager responsible for preparation of construction documents for expansion of a hybrid composting facility.  Prepared process calculations and plans to illustrate new windrow pad. Estimated the market need for organic transfer services and identified the level of District support needed.

**Kern County, California, Design of a New Compost Facility.** Technical Advisor responsible for review of construction documents for new composting facility.  Prepared plans for a covered aerated static pile system.

**San Diego County, California, Design and Construction of a New Compost Facility.** Technical Advisor responsible for review of documents for design and construction of a new composting facility.  Prepared plans for a covered aerated static pile system, located on top of a landfill.

**Private Company, North Carolina, Permitting of a New Compost Facility.** Project Director responsible for preparation of a Solid Waste Permit Application for a composting facility.  Prepared erosion and sediment control documents; stormwater pollution prevention plan; and environmental justice documents.

**Boulder County, Colorado, Design and Permitting of a New Compost Facility.** Task Manager responsible for provision of design services for a food scrap compost system, using SG/Gore aerated static pile technology.

**Grounds for a Peel, New York, Permitting of a New Compost Facility.** Project Manager responsible for preparation of drawings and narrative for a State Registration for a composting facility.  The facility accepted food scraps and used aerated static pile system for processing.

**Natural Grain, New York, Permitting of a New Compost Facility.** Project Manager responsible for preparation of drawings and narrative for a State Registration for a composting facility.

**Schenectady County, New York, Permit Support for a Compost Facility.** Project Manager responsible for preparation of an operations and maintenance manual for a yard waste composting facility to support a permit renewal.

**Sullivan County, New York, Organics Management Feasibility Study.** Project manager for preparation of an organics management plan feasibility study that considered diversion of organics from residential, commercial and institutional generators, and included a technology review for capture/collection and processing of organics. Tasks included siting, marketing, education, public outreach, and staff training.

**Public Entities, Connecticut and Virginia, Compost Pilot Tests.** Technical advisor for two separate compost pilot tests, with test facilities located in Virginia and Connecticut. Feedstocks included food scrap and biosolids. A total of five test batches were studied over a 14-month period.

**Public and Private Entities, Massachusetts, Rhode Island, New Jersey, Windrow Compost Operations.** Project Director for operations of six windrow compost facilities, managing yard, food, manure, and industrial food wastes. Tasks included site layout, permitting, and operations services, including provision and use of a truck-mounted mixer to mix food and leaves, and a compost turner to turn the windrows.

**Private Company, US Sites, Compost Standards and Regulatory Support.** Project manager for development of minimum, standard site criteria (design, construction and operation) for compost production for a Fortune 1000 company. Provided regulatory support for various facilities operations.

Solid Waste Master Plan

**Ontario County, New York, Transfer Station Study.** Project Director forSolid Waste Management Program Assessment and Transfer Station Consolidation Study. Performed comprehensive review of existing County transfer station/convenience center system (including inventory of majority of County and Municipal solid waste facilities). Developed analysis report and program guide to assist with decisions regarding solid waste program and infrastructure development for county.

**Development Authority of the North Country, New York, MRF Feasibility Study.** Project Director for MRF feasibility study, considering installation of a MRF at one of three locations in the service area. Also, project manager for preparation of a solid waste management plan (SWMP) for Jefferson, St. Lawrence, and Lewis Counties in New York. Tasks included review of the current solid waste management system; review of solid waste management options; evaluation of regulatory requirements; preparation of cost estimates and life-cycle analyses; attendance at meetings and public hearings; and, preparation of a draft and final SWMP.

Landfill Engineering

**City of New York, Closure Design for Section 1/9, Fresh Kills Landfill.** Project Manager for design of final cover, landfill gas, and stormwater management systems, and preparation of construction documents. For project from 2013-present, Project Manager responsible for the design of the closure systems for Section 1/9 of the Fresh Kills Landfill (312 acres). Tasks included site investigations, wetlands studies, stormwater, wetlands, and solid waste permitting, design of final cover, landfill gas, and stormwater management systems, and preparation of construction documents for the closure. For prior project, tasks included design and engineering of Section 2/8 final closure; design and engineering of Section 3/4 final closure; permitting of storm water management system; and, design and engineering of Phase I storm water management system.

Landfill Gas Management

**Waste Management, Pennsylvania, LFG Processing.** Project Manager for design and preparation of construction documents for landfill gas blower/dehydration station, including original system in 2017 and expansion in 2020. LFG is sent via dedicated pipeline to end user.

Presentations

McCarron, G. P., “Compost Design and Technology”, Tennessee Compost Council State Chapter Conference, November 2023.

McCarron, G. P., “Organics Feasibility Study for Sullivan County”, New York Organics Summit, April 2023.