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## GREGORY P. MCCARRON, P.E.

### Education

B.S. - Environmental Engineering, Rensselaer Polytechnic Institute, 1986

### Professional Licenses

Professional Engineer - New York, Massachusetts, Virginia, Rhode Island, New Hampshire and Maine

### Professional Affiliations

New York State Association for Solid Waste Management  
U.S. Composting Council  
American Society of Mechanical Engineers  
Solid Waste Association of North America

### Professional Experience

Mr. McCarron has 30 years of progressively responsible experience in solid waste management, including composting, landfill gas (LFG) systems, landfill design, waste composition studies, recycling, transfer stations, and waste-to-energy systems. His experience includes project management, design, regulatory support, construction oversight, system start-up, economic analysis, and technology assessment.

### Organics Management

**Compost Operations – MA, RI, NJ Sites.** Project director for operations of five compost facilities, managing yard, food, manure and cranberry 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.

**Smithtown, NY.** Project director for research and evaluation of the impacts of organic waste processing facilities (OWPFs), and identification of the Best Management Practices (BMPs) for operating and regulating indoor OWPFs. Among other resources, SCS used the database of the U.S. Composting Council (USCC) to identify composting facilities throughout the country. The Town planned to draft ordinance amendment(s) that would permit and regulate such facilities in the Town.

**Wellesley, MA.** Project director for sales and marketing of leaf compost from the Wellesley leaf compost facility in Wellesley, MA. Tasks included coordination and sales of existing leaf compost produced by the Town. The Town was able to earn revenue from compost that it was unable to sell.

**American Recycled Materials, MA.** Project director for engineering and regulatory services related to yard waste composting facility. Tasks included meetings with Town and MassDEP staff about regulatory requirements, and site layout drawings.

**Town of Barnstable, MA.** Project manager for provision of review services for the proposed site plan and best management practices (BMPs) for Cape Resource's mulch and leaf composting facility expansion in Barnstable, MA. Tasks included review of the site plan and BMPs; suggestions for the future monitoring of dust, noise and odors from the facility; and, attendance at meetings.

**Cayuga County, Auburn, New York.** Project manager for preparation of a farm biogas pipeline feasibility study for Cayuga County in Auburn, New York. The County's proposed project involved the planning and study of a biogas pipeline, distribution and delivery systems that will allow for transmission and delivery of biogas produced by various dairy farms (up to 24) within the County to a centralized location.

### **Solid Waste Management Planning**

**Midcoast Council of Governments, Bath, ME.** Project manager for solid waste technical assistance to the Midcoast Council of Governments, which serves Sagadahoc County and the municipalities of Brunswick and Harpswell as a municipal membership organization providing regional services. MCOG desired technical assistance in analyzing and reporting solid waste activities among participating municipalities as part of a solid waste planning project funded by the USDA. Tasks included development of a tool that accurately compares solid waste activities in the project area and preparation of a solid waste management plan to include organics diversion and composting.

**City of Springfield, MA.** Project manager for preparation of a solid waste management plan for Springfield, Massachusetts. The City required efficient and cost-effective short- and long-term solid waste management solutions, strategy and analysis. Tasks included evaluation of program elements; evaluation of the City's WTE contract and landfill closure; meetings with the solid waste advisory committee; development of a financial plan/rate plan; review of equipment; and preparation of a report. Evaluations included review of a pay-as-you-throw (PAYT) system and food waste composting.

**Development Authority of the North Country, NY.** Project manager for preparation of a solid waste management plan (SWMP) for Jefferson, St. Lawrence, and Lewis Counties in New York. The new SWMP consolidated the three (3) current Local Solid Waste Management Plans for Jefferson County, Lewis County and St. Lawrence County. The new SWMP addressed and considered future needs of the three-county region and current regulations, as well as pertinent items in the new New York State Department of Environmental Conservation (NYSDEC) State Solid Waste Management Plan.

### **Waste-to-Energy and Waste Conversion**

**Abu Dhabi National Energy Company.** Project manager for preparation of a pre-feasibility assessment for a potential Waste-to-Energy (WTE) project.

**NRG Energy, NJ.** Project director for provision of environmental permitting services for a demonstration plasma facility, located at ACUA's Landfill in Egg Harbor, NJ.

## Landfill Design and Engineering

**City of New York, Closure Design for Section 1/9, Fresh Kills Landfill (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.

**City of New York, Closure Design for Section 2/8 and 3/4, Fresh Kills Landfill (1991-1998).** Task manager and project engineer on various tasks for the Fresh Kills, Staten Island, NY landfill closure project:

- Task Manager for design and engineering of Section 2/8 final closure. Prepared construction contract drawings, specifications, cost estimate, and engineering report for final cover system. Coordinated activities with New York City Department of Sanitation representative and assisted with bid evaluation and construction management.
- Project engineer for design and engineering of Section 3/4 final closure. Prepared construction contract drawings, specifications, cost estimate and engineering report for final cover system. Assisted with construction management.
- Project engineer for permitting of storm water management system. Identified regulatory requirements and prepared applications for Army Corps of Engineers permit (17 basins), New York SPDES permit (17 outfalls), and State tidal wetlands and protection of water permits (7 basins).
- Staff engineer for design and engineering of Phase I storm water management system. Prepared construction contract drawings, specifications, cost estimate, and engineering report for 7 sedimentation basins. Assisted with construction oversight.

**Port Washington Landfill, North Hempstead, NY.** Project director for design modifications to the existing methane migration monitoring system at the Port Washington Landfill (Landfill) in the Town of North Hempstead.

**Groundwater & Environmental Services, Inc, NY.** Project director for construction oversight assurance services as a subcontractor to Groundwater Environmental Services, Inc. (GES) for closure of the Townley Hill Road Dump Site in Catlin, Chemung County, New York. Services included daily oversight of a 10 week closure project including site remediation, geotextile and soil placement. GES and SCS provided oversight of the contractor on behalf of NYSDEC, Region 8.

**Sullivan County, Monticello, NY.** Project engineer for the design of a double-lined sanitary landfill for Sullivan County, New York. Estimated leachate generation with EPA's HELP computer model to size leachate collection and treatment systems. Assisted in the preparation of the permit application including the engineering report and operations and maintenance report.

**Development Authority of the North Country, Watertown, NY.** Project manager for landfill closure planning for the SWMF landfill of the Development Authority of the North Country in Rodman, NY, including sequential fill planning, roads and drainage planning, LFG planning, air permitting, stability evaluations, and miscellaneous consulting work.

**Sussex County Municipal Utilities Authority, NJ.** Provision of solid waste reporting services and other support to the Sussex County Municipal Utilities Authority (SCMUA), as related to the SCMUA Landfill. Services included: semi-annual groundwater and stormwater detection reporting, annual stormwater pollution prevention plan updates, quarterly enclosed flare inspections, annual surface emission monitoring, and other SCMUA-requested support.

**Town of Charlestown, RI.** Implementation of the Town's post-closure landfill environmental monitoring program at the former municipal landfill on Sand Hill Road during the three-year period from 2014 through 2016. Tasks included semi-annual groundwater and landfill gas monitoring at selected monitoring points at the Facility, data management, and associated reporting.

**Hartford Landfill, Hartford, CT.** Project manager for CRRA Hartford Landfill for a vertical expansion of the Phase 1 double lined ash area. Key work items included evaluation of liner base; vertical expansion liner design; contractor laydown area and access road; stability evaluation.

**South Hadley Landfill, South Hadley, MA.** Performance of a Permit Transfer Inspection of the South Hadley Landfill (Landfill), including the MSE berms, landfill gas collection and control system (GCCS), leachate collection system (LCS), groundwater monitoring system, and surface water system. Advanced Disposal operated and capped the landfill, and then transferred the post-closure permit to the Town.

**Thatcher Street Landfill, Brockton, MA.** Provided post-closure environmental monitoring services at the Thatcher Street Landfill, including cap inspections and reports in accordance with MassDEP requirements.

**West Street Landfill, Gardner, MA.** Provided on-going regulatory, engineering, operations support and field services support to the City of Gardner at the City's West Street Landfill. Tasks included air permit compliance, review of operating data, and other support services.

### **Landfill Gas Collection and Energy Recovery**

**Waste Connections, Inc., Colonie Landfill, NY.** Performance of landfill gas management services for the Colonie Landfill in Colonie, NY. Waste Connections operates a permitted sanitary landfill, which is subject to a Title V operating permit. Scope included LFG system expansion design to control odors.

**Rhode Island Resource Recovery Corporation.** Project Director for LFG design at the RIRRC Landfill. Managed design, operations maintenance, and monitoring activities for the LFG dewatering system including preparation of an LFG collection system evaluation report.

**Waste Management, Chicopee, MA.** Provision of LFG engineering support related to a LFG well dewatering system and leachate recirculation master plan at Chicopee Landfill. Provided general LFG engineering support for ongoing operation and maintenance of LFG collection system.

**Chester County Solid Waste Authority, Honey Brook, PA.** Project director for preparation of design drawings for expansion of the existing LFG collection system. The projects included

design and preparation of bid documents for expansion of the LFG collection system including vertical extraction wells, headers, and laterals.