

PETER S. CATTANEO

Education

BS – Civil Engineering, California Polytechnic State University, San Luis Obispo, California, 2016

Professional Affiliations

American Society of Civil Engineers (ASCE)



Peter Cattaneo

Professional Experience

Mr. Cattaneo has 5 years of experience in solid waste management, including composting. His experience includes design, permitting, regulatory support, construction oversight, economic analysis, and technology assessment. He has extensive CAD and GIS training, and experience in designing stormwater management structures and incorporating low impact development design into sites.

Landfill Gas Management

Rhode Island Resource Recovery Corporation, Data Management and Regulatory Reporting for Central Landfill, Johnston, Rhode Island. Project Engineer responsible for preparing monthly LFG system data summaries, quarterly surface emission monitoring plans and summary tables, and annual and semi-annual reports. This monitoring ensured that landfill emissions were within regulatory standards on a regular basis.

CMA Engineers, Design Plan Preparation and Regulatory Reporting for Mt. Carberry Secure Landfill, Success, New Hampshire. Project Engineer responsible for preparing the gas collection and control system (GCCS) design plan, quarterly surface emission monitoring reports, and annual and semi-annual reports. This reporting ensured that landfill emissions were within regulatory standards on a regular basis.

Town of Brookhaven, Design Plan Preparation and Regulatory Reporting for Brookhaven Landfill, Brookhaven, New York. Project Engineer responsible for preparing the GCCS design plan, quarterly surface emission monitoring reports, and annual and semi-annual reports. This reporting ensured that landfill emissions were within regulatory standards on a regular basis.

Town of Groton, Connecticut, Monthly Flare Emissions Reporting. Project Engineer responsible for compiling monthly flare data and reviewing emission rates for monthly reporting requirements in Groton, Connecticut.

Landfill Engineering

CMA Engineers, LFG Expansion Design for Mt. Carberry Secure Landfill, Success, New Hampshire. Project Engineer responsible for the design of annual LFG system expansions. The project involved the installation of several LFG collectors and extensions to existing underground piping, as well as performance of construction quality assurance (CQA) and review of client submittals.

Waste Management, Inc., 5-Year Plan Development of LFG System and Annual LFG Expansion Design for Crossroads Landfill, Norridgewock, Maine. Project Engineer responsible for the design of

annual LFG system expansions. The project involved installation of several LFG collectors and extensions to existing underground piping, as well as development of plans for a new landfill phase.

Connecticut Department of Energy and Environmental Protection, LFG System Modifications for Ellington Landfill. Project Engineer responsible for provision of engineering design services to replace an existing low-emission LFG enclosed flare and blower equipment with a new, low capacity blower/flare skid, and to modify LFG piping in the wellfield and diagnose issues related to leachate management. Services included review of submittals and design drawings, performance of CQA, and preparation of a CQA report and record drawings.

Chester County Solid Waste Authority, KYPipe Analysis for Existing Leachate Management System at Lanchester Landfill, Pennsylvania. Project Engineer responsible for evaluation of an existing leachate management system and subsequent modifications. Tasks included: implementation of a KYPipe model to guide design of modifications; design of sump and piping to meet requirements of leachate transmittal; selection of pump based on the agreed-upon configuration.

Organics Management

Hydrogen Sulfide Model Development – Various Sites. Project Engineer responsible for development of a model to predict hydrogen sulfide loading of gases based on waste characterization.

Chittenden Solid Waste District, VT. Project Engineer responsible for preparation of a business analysis and provision of design services for CSWD's organics diversion facility, home of Green Mountain Compost. Tasks included design services for expansion of the existing compost operation to demonstrate site suitability and estimate construction costs.

Compost Standards and Regulatory Support – US Sites. Project Engineer responsible for development of minimum, standard site criteria (design, construction and operation) for compost production for a Fortune 1000 company.

Sullivan County, NY. Project Engineer responsible for preparation of an organics management plan feasibility study that considered diversion of organics from residential, commercial and institutional generators. Tasks included design of a hybrid compost facility.

Kinross Township, MI. Project Engineer responsible for preparation of a compost system feasibility study for Kinross Charter Township. Tasks included a technology assessment.

Geomembrane ASP Compost Design – Various Sites. Project Engineer responsible for design of covered, aerated static pile compost facilities. Tasks included preparation of layout drawings.

Compost Facility and Mulch Operations Evaluation, Virginia Beach, VA. Project Engineer responsible for evaluation of an existing yard waste mulch facility. Tasks included review of current operations and best management practices, and conceptual design of site improvements.