
PETER C. MAILEY, E.I.

EDUCATION

University of Maine - B.S. in Civil Engineering, 1982
University of Maine - A.S. in Civil Engineering, 1979

EMPLOYMENT HISTORY

1989 to present - Sevee & Maher Engineers, Inc. - Project Engineer/Field Engineer
1984 to 1989 – Boston Survey Consultants, Norwell, Massachusetts - Project Engineer
1983 to 1984 – Oak Point Associates, Biddeford, Maine - Engineer

EXPERIENCE

Mr. Mailey has over 34 years of experience with the design, permitting, construction oversight, and operation of landfill and environmental projects. As a Project Engineer with Sevee & Maher Engineers, Mr. Mailey is responsible for the technical aspects of projects including detailed design, permitting, construction, and landfill operation assistance.

Recent Assignments in his various areas of expertise have included:

- Construction Quality Assurance/Quality Control - Mr. Mailey has performed and managed the QA/QC of 15 landfill cell liner and four final cover system installations at ten separate landfills in the States of Maine, New Hampshire, and North Carolina. Construction oversight experience includes quality assurance and quality control of geosynthetic component installation of both cell liner and final cover systems including 4 million square feet HDPE geomembrane, 2 million square feet geosynthetic clay liner, 2.5 million square feet of drainage geocomposite and 1 million square feet LLDPE geomembrane.
- Construction Management - Mr. Mailey has developed and implemented a project tracking system for five landfill construction projects in Maine. The system provides a means to organize project information including correspondence, daily reports, weekly reports, test reports, contractor submittals and any other information that documents construction progress. The system enables the project managers, reviewing agencies and other participating individuals to track construction progress on a more real time basis.
- Landfill Design and Permits - Mr. Mailey has technical design experience on four landfill projects (commercial, private and state-owned) in the State of Maine. These projects have included performing detailed hydrogeologic investigations, address siting issues such as odor, noise, visual, and wetland impacts, and completing detail cell designs and operational plans.
- Provided technical landfill design services and construction quality assurance and quality control oversight at two Maine landfills. In this role Mr. Mailey has been responsible for preparing design drawings and technical specifications for a number of State and Local applications for both an expansion and closure of this facility since 1992. He has extensive experience in construction of new phases and closures of the facility including the development of detailed design drawings, administrative contract documents, and operations manuals.
- Performed detailed landfill grading plans including cell base liner systems, cell development plans, cell closure plans, waste grading plans and deliverables for GPS automated landfill operations equipment.

- Environmental experience included construction quality assurance and quality control of a geomembrane cover system over a mercury contaminated site at a former papermill in the State of New Hampshire.
- Performed detailed design of landfill liner systems including leak detection pipe spacing, leachate collection pipe spacing, drainage geocomposite sizing, and pipe strength analysis.
- Performed detailed design of landfill leachate pumping, transport systems and storage facilities at five new cells at three separate landfills including sideslope pump systems, wet well pump systems, force mains, and wastewater storage tank sizing.
- Provided on-going analysis of landfill utilization rates by performing computer aided cut/fill quantity evaluations at four landfills.

Mr. Mailey's general areas of expertise include:

- Engineering - design expertise includes preparing detailed engineering drawings and construction specifications; permitting projects and systems for state and federal regulators, writing SWPP plans; preparing erosion and sediment control plans; writing annual compliance reports, developing and writing detailed QAQC plans.
- Civil-related experience includes residential and commercial subdivision design, roadway, earthwork, stormwater, erosion control, water utility, and wastewater utility engineering for site development projects.
- Environmental-related experience includes solid waste landfills, slurry walls, relocation, and treatment of contaminated soil, operation of a groundwater extraction and treatment system, sighting and installation of groundwater monitoring wells, monitoring and reporting at petroleum spill site; and permitting and environmental compliance.
- Quality assurance and quality control experience includes developing and writing detailed QAQC plans for landfill fill construction projects, monitoring and management of construction projects involving: heavy earthwork, light structures, piping, pumping systems, landfill liner, and capping systems, and landfill gas systems. Extensive experience in monitoring and managing the installation landfill geosynthetic components.
- Computer proficiency includes: Microsoft Office Software; AutoCAD; Land Development Desktop; Civil 3D; Carlson Civil 2010; HydroCad stormwater modeling software; Hydrain channel design software; Pipe 2006; Adobe software; MathCad; Grapher; and, Web based tools(LandfillDesign.com).