

# STERLING ENVIRONMENTAL ENGINEERING, P.C.

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Mark P. Millspaugh, P.E.  
President

- Education:** MS Environmental Engineering, Rensselaer Polytechnic Institute, 1981  
BS Environmental Engineering, Rensselaer Polytechnic Institute, 1977
- Professional Registrations:** Professional Engineer, New York, Pennsylvania, Vermont and New Hampshire
- Fields of Competence:** Environmental Engineering  
Remedial Investigation/Feasibility Study  
Petroleum Spill Remediation  
Remedial Action  
Hazardous Waste Management  
Solid Waste Management  
Landfill Closure Requirements
- Experience:** 1999 to present, Sterling Environmental Engineering, P.C.  
1993 - 1998, Spectra Engineering, P.C.  
1987 - 1993, Dunn Corporation  
1982 - 1987, New York State Department of Environmental Conservation  
1981 - 1982, Malcolm Pirnie, Inc.  
1977 - 1981, Ronald H. Laberge, P.C.

Mr. Millspaugh has over 25 years of experience involving a wide range of engineering projects in the fields of solid and hazardous waste management, water and wastewater facilities, and environmental permitting. Responsibilities include all aspects of waste site field investigations, permitting, siting studies, remediation and closure. Mr. Millspaugh has also provided expert testimony and technical guidance relating to enforcement actions and litigation. Mr. Millspaugh has prepared detailed plans, specifications and permit applications for a wide variety of solid and hazardous waste site remedial programs.

**Specific Project Experience:**

Mr. Millspaugh's experience includes a range of solid and hazardous waste remedial projects. Mr. Millspaugh has served as Project Manager for the permitting of a 2,000,000 ton expansion to a 5,000 ton per day solid waste landfill in Western New York. Services required a fast tracked design and permitting effort to assure the landfill would remain open. The project also included the design and remediation of contaminated groundwater, improvements to the stormwater retention ponds and managing the implementation of the closure plan for inactive portions of the site. Much of the remedial work was designed during the performance of the work in order to meet the aggressive schedule set by the client. This project included providing testimony at a adjudicatory hearing in support of the permit application.

Mr. Millspaugh has served as Project Engineer for the design and permitting of two cement kiln dust landfills including liner systems, stormwater management systems and cover systems. The liner system designs for these landfills included variance applications and supporting documentation and evaluations to justify single liner system designs. Projected construction costs for both projects were significantly less than the double composite liner design required under New York's Solid Waste Regulations.

Mr. Millspaugh also managed a remedial project in the Lower Hudson Valley which involved the placement of 200,000 cubic yards of construction and demolition (C&D) debris as part of the negotiated site remedial program. The revenue generated by the C & D debris placement was applied to the site closure project. The project also included the performance of a Remedial Investigation/Feasibility Study and the design and implementation of an Interim Remedial Measures Program providing for the installation of the final cover system.

Mr. Millspaugh has served as Project Engineer and Project Manager on municipal solid waste landfill closure projects and has provided the construction management services necessary to complete the installation of the final cover and gas vent systems.

**Expert Evaluation & Testimony:**

- Mr. Millspaugh conducted independent evaluations of the Barnes Landfill and provided a detailed deposition regarding the landfill closure costs, as well as professional opinion regarding the adequacy of the closure landfill (*Industrial Recycling Services, Inc. vs. Ahneman Associates, P.C.*).
- Mr. Millspaugh provided technical support and professional opinion during depositions taken in connection with the New York State Department of Law search for the PRP's associated with the FICA Landfill matter in Poughkeepsie (*State of New York v. J&T Recycling, Inc., et. al.*).
- Mr. Millspaugh served as technical advisor to the Special Master concerning the Citizens' Lawsuit regarding the Freshkills Landfill, Staten Island, New York. This effort included giving a formal deposition and professional opinion regarding the landfill operational and closure requirements of 6NYCRR 360 and assisting the Special Master during the deposition of other factual witnesses and technical experts (*Joseph P. Woods, Staten Island Citizens For Clean Air, Inc., and Anthony Cantalupo, Plaintiffs, v. The City of New York, Edward I. Koch and Brendan Sexton, Defendants*).
- Mr. Millspaugh continues to serve as technical advisor to the Special Master concerning the Citizens' Lawsuit regarding the Pelham Bay Landfill matter (*New York Coastal Fishermans' Assn' v. New York City Department of Sanitation, et.al.*).

In this capacity, Mr. Millspaugh has acted as the technical facilitator among the parties including New York City Department of Environmental Protection (NYSDEP), NYS Department of Sanitation, New York State Department of Environmental Conservation (NYSDEC) and the Technical Advisory Committee.

- Mr. Millspaugh provided expert technical advice and evaluation to the plaintiff regarding the investigation and remediation of Rodman's Neck, a target range operated by the New York City Police Department (*Rodman's Neck Remediation*). In this capacity, Mr. Millspaugh advised Plaintiff's attorneys regarding technical and engineering matters.
- While with the NYSDEC, Mr. Millspaugh was assigned to the Division of Environmental Enforcement, where he provided expert opinion, testimony and written affidavits on numerous inactive hazardous waste disposal site matters and active criminal enforcement matters.
- Mr. Millspaugh served as an expert witness during an adjudicatory hearing concerning the William E. Dailey, Hoosick Mine Site concerning stormwater issues for a proposed limestone quarry.
- Mr. Millspaugh served as an expert witness during an adjudicatory hearing concerning the proposed expansion of the Seneca Meadows Landfill, Waterloo, New York.

**Professional Societies:**

Board of Directors for Capital District, Chapter of the New York State Society of Professional Engineers, President Elect, Second Vice President.

**Publications:**

*Utilizing Construction/Demolition Debris and Other Waste Materials for Landfill Closure Purposes*, 1992, Dunn Corporation.

*Landfill Closure Costs*, 1991, Dunn Corporation.

*Controlling Landfill Closure Costs*, 1995, Spectra Engineering, P.C.