



# **martin and martin, incorporated**

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**NAME:** Richard M. Bodner, P.E.

**POSITION:** Martin and Martin, Incorporated

**EDUCATION:** B.S., Civil Engineering,  
Clarkson College of Technology, 1967

M.S., Civil Engineering,  
Clarkson College of Technology, 1969

## **PROFESSIONAL EXPERIENCE:**

### Martin and Martin, Incorporated - 1973 to present

As a partner in Martin and Martin, Incorporated, Mr. Bodner directs the firm's engineering activities. Included among projects completed by the firm in the engineering field are sanitary landfill designs, leachate collection and treatment facilities, solid waste transfer stations, incinerators, recycling facilities, environmental assessments, sanitary sewerage systems, subdivisions, feasibility and rate studies, dams, parks, transportation systems analyses, and resource recovery system design. He has prepared designs for over fifty landfills located in New York, New Jersey, Pennsylvania, Ohio, Alabama, Missouri, Oklahoma, Arkansas, Virginia and Maryland, including numerous landfills utilizing leachate collection and treatment systems. Additionally, he has provided Solid Waste Engineering and Planning Consulting internationally, including projects in Antigua, Puerto Rico, Canada, Poland and Belgium.

### Nassaux-Hemsley, Incorporated - 1970 - 1973

Mr. Bodner served as the Chief of the firm's Solid Waste Division. He was directly responsible for the design of over thirty sanitary landfills in Maryland, New Jersey, and Pennsylvania, the development of detailed leachate collection and treatment systems, and the preparation of five County Solid Waste Management Plans. In addition, Mr. Bodner designed sanitary sewer collection and disposal systems and served as Editor for the Refuse Disposal Association of Pennsylvania Newsletter.

**MUNICIPAL • URBAN • REGIONAL • LAND DEVELOPMENT AND ENVIRONMENTAL PLANNERS**

**MUNICIPAL • CIVIL • SANITARY • SOLID WASTE AND ENVIRONMENTAL ENGINEERS**

### Department of Public Works, Baltimore, Maryland - 1969 - 1970

As a Public Works Engineer for the City of Baltimore, Mr. Bodner designed and supervised the Potee Street demolition debris and sanitary landfill program. Furthermore, Mr. Bodner developed a long range solid waste program and performed independent research on the optimal routing of refuse collection vehicles.

### Clarkson College of Technology - 1968 - 1969

Mr. Bodner's responsibilities as a Graduate Teaching Assistant included the instructing of soil mechanics and providing assistance in the teaching of structural steel and reinforced concrete courses. In addition, Mr. Bodner designed a digital computer program for routing refuse vehicles as published in the USED-ASCE.

### Barton, Brown, Clyde and Loguidice, Syracuse, New York - 1967 - 1968

As a Design Engineer, Mr. Bodner prepared the Oswego County Comprehensive Water Plan, designed a 28,000 lineal foot waste water collection system and a 9,000 foot storm water and highway relocation project. Mr. Bodner also prepared the Delaware County, New York Sewer and Water Plan.

### **PUBLICATIONS:**

Bodner, R. M., et al., "Optimal Routing of Refuse Collection Vehicles", Journal of the Sanitary Engineering Division - American Society of Civil Engineers, Vol. 98, No. SA 4, August 1970.

Bodner, R. M., Guest Speaker, "Solid Waste Management" - Franklin-Fulton Chapter, Pennsylvania Society of Professional Engineers, Waynesboro, Pennsylvania, October 1970.

Bodner, R. M., et al., "Evaluation of Abandoned Strip Mines as Sanitary Landfills", Proceedings - Third Mineral Waste Utilization Symposium, Chicago, Illinois, March 1972.

Bodner, R. M., presented paper - "Evaluation of Abandoned Strip Mines as Sanitary Landfills", Chicago, Illinois, March 1972.

Bodner, R. M., Panelist, "Solid Waste Management" - Annual Meeting of Pennsylvania Planning Association, Lancaster, Pennsylvania, April 1973.

Bodner, R. M., - "Dutchess County, New York Moves Towards Pyrolysis", Waste Age, Vol. 7, No. 9, September 1976.

Bodner, R. M., Earl, T. A., and Meiser, E. W., Jr., "Leachate Collection Using the Ground-Water Flow System - A Landfill Case History in Central Pennsylvania", presented at the Third Annual Madison Conference of Applied Research & Practice on Municipal & Industrial Waste, Madison, Wisconsin, September 10 – 12, 1980.

Warner, R. C., Bodner, R. M., et.al., "Planning and Implementation of Remedial Landfill Reclamation" presented at American Society of Agricultural Engineers, San Luis Obispo, California, (July, 1986).

Bodner R. M. and Stephens, A., - "Geogrid Liner Support at Empire Sanitary Landfill", Presented at Geosynthetics '91 Conference, Atlanta, Georgia, February 1991.

Stephens, A., and Bodner, R. M. et al.; "Proposed Draft Regulations for Solid Waste Landfills", presented to the Environment Committee - European Parliament, Brussels, Belgium, May 1992.

Bodner, R. M.; "Market Solutions to Environmental Challenges - Sanitary Landfills"; Presented at Seminar sponsored by United States Consulate General, Krakow, Poland, September, 1994.

Bodner, R. M.; Sochovka, R. et.al.; "Case Study - Empire Landfill Down Chute Channel Protection using a Cellular Confinement System with Concrete Infill"; Published in Proceedings of the 28th Annual Conference of the International Erosion Control Association, Nashville, Tennessee, February, 1997.

Bodner, R. M.; "Pennsylvania's Host Municipal Inspection Program," presented at The Federation of Solid Waste Association's Solid Waste/Recycling Conference, Lake George, New York, May, 2002.

#### **PROFESSIONAL AFFILIATIONS AND TECHNICAL RECOGNITIONS:**

Professional Engineer (Pennsylvania, New York, West Virginia, Florida, New Jersey, Alabama, Connecticut, Ohio, Missouri, Oklahoma, Maryland, New Mexico, Georgia, North Carolina, South Carolina, Louisiana, Mississippi and Arkansas).

American Society of Civil Engineers

American Public Works Association

Institute for Solid Waste

Chi Epsilon (National Civil Engineering Honorary Fraternity)

National Society of Professional Engineers

Pennsylvania Society of Professional Engineers

Solid Waste Association of North America

National Solid Waste Management Association

Former Director – Keystone Chapter - SWANA