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MARTIN AND MARTIN, INCORPORATED

Solid Waste Management

Statement of Qualifications

Prepared by:

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EXHIBIT

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BACKGROUND OF THE FIRM

Martin and Martin, Incorporated was formed in 1973 to serve those corporations, municipalities, and individuals in need of professional engineering and planning services completed in an efficient and competent manner. The firm's policy is to have all designs, plans and professional work performed by principals of the organization. Thus, the firm strives to maintain direct and personal contact with each client, and provide experienced professionals.

United States clients are located throughout the Country, including in Pennsylvania, Ohio, Florida, Connecticut, Texas, Alabama, Louisiana, Maryland, New Jersey, West Virginia, Missouri, Oklahoma, Arkansas, Virginia, Georgia, North Carolina, Kentucky and New York. Additionally, Martin and Martin, Incorporated has completed projects in Puerto Rico, Antigua, Canada, and Poland as well as a project for the European Union in Brussels, Belgium. Typical solid waste management projects include Comprehensive Solid Waste Studies, Landfill Designs, Transfer Facility Designs, Incinerator Designs, Leachate Collection and Treatment designs, Leachate and Sewerage Systems, Storm Water Control, Reclamation Projects, Computer Vehicle Routing, Liquid Waste Plans and Studies, Industrial Waste Reclamation, and Consulting Services to both government and private industry.

STAFF EXPERIENCE

The staff of Martin and Martin, Incorporated has demonstrated on several occasions the ability to perform innovative tasks. Among the more notable accomplishments in which staff participated are:

1. Participation in the design and development of a new structural member combining supporting features and aesthetic beauty and co-holder of the patent on said member.
2. Design of a digital computer program to route solid waste collection vehicles. (Published - Journal Sanitary Engineering Division - ASCE).
3. Presentation of a Paper titled "The Evaluation of Abandoned Strip Mines as Sanitary Landfills" at the Third Mineral Waste Utilization Symposium, Chicago, Illinois.
4. Presentation of suggested Solid Waste Regulations to the European Union in Brussels, Belgium.
5. Presentation of suggested solid waste practices to the U. S. Consulate General's Office and Officials of the City of Krakow, Poland.
6. Development of a Solid Waste Management Plan for the city of Krakow, Poland.

EXPERIENCE

The staff of Martin and Martin, Incorporated has had extensive experience in the planning, design, and operation of solid waste management systems in numerous states including New York, New Jersey, Ohio, Alabama, Missouri, Oklahoma, New Mexico, North Carolina, Arkansas, Pennsylvania, Kentucky and Maryland; as well as internationally. We are proud to be pioneers in the field of solid waste management, treatment, and disposal, including the management of stormwater run-off and leachate management. The relatively recent nation-wide concern over the problems caused by society's by-products has created a new environmental expertise. Martin and Martin, Incorporated personnel are recognized experts in this solid waste field. Among the many projects undertaken by personnel of Martin and Martin, Incorporated in the solid waste field are the following:

Comprehensive Solid Waste Management Plans and Studies

Lanchester Landfill Operating Analysis - for Waste Resources, Incorporated
Elk County Solid Waste Management Plan - Pennsylvania
Franklin County Solid Waste Management Plan - Pennsylvania
Adams County Solid Waste Management Plan - Pennsylvania
Talbot County Solid Waste Management Plan - Maryland
Queen Annes County Solid Waste Management Plan - Maryland
Interim Landfill Site Studies - Dutchess County, New York
Pyrolysis Market and Siting Plan - Dutchess County, New York
Preliminary Engineering - Dutchess County Pyrolysis Facility - Dutchess, New York
Lehigh, Northampton Counties Plan Update - Pennsylvania
Bedford-Fulton-Huntingdon Solid Waste Authority - Consultant - Pennsylvania
City of Krakow-Solid Waste Plan-Krakow, Poland

Hazardous Waste Management

Sunny Farms - 400 acre hazardous waste disposal site - York County, Pennsylvania
Elwin Farms - 150 acre hazardous waste disposal site - Fayette County, Pennsylvania
GTE Sylvania - Hazardous Waste Closure Plan - Lycoming County, Pennsylvania
Jersey Shore Steel Company - Hazardous Waste Removal Plan and RCRA Closure -
Lycoming County, Pennsylvania
Bethlehem Wire Rope, Inc. - Waste Closure Plan - Lycoming County - Pennsylvania
Mohawk Flush Door, Inc. - Hazardous Waste Removal and Closure Plan - Northumberland County,
Pennsylvania

Sanitary Landfill Designs

Greater Lebanon Refuse Authority	Lebanon County, PA
Knickerbocker Landfill	Chester County, PA
Rolling Hills Landfill	Berks County, PA
Y & S (Greenridge) Landfill	Westmoreland County, PA
Blue Ridge Landfill	Franklin County, PA
Community Refuse (Mountain View), Ltd.	Franklin County, PA
Sandy Run Landfill	Bedford County, PA
Lanchester Corporation Landfill	Chester & Lancaster Co., PA
Arden Landfill	Washington County, PA

Lavin Landfill
Hawthorne Landfill
Bellizio Landfill
Monroe Township Landfill
Fulkroad Landfill
City of Baltimore - Potee St. Landfill
Airport Landfill
Harlem Valley Landfill
Firestone Tire and Rubber Co. Landfill
D.W. Landfill, Inc.
Sanitary Landfill Company Landfill
M.C. Arnoni Landfill
Welch Landfill
Alliance Landfill
Pine Grove Landfill
Rolling Hills Sanitary Landfill
New Hanover Landfill
ACMAR Landfill
BackRidge Landfill
CBF Landfill
Carlin Landfill Closure
County Landfill, Inc.
Brunswick Landfill, Inc.
Northern Tier Solid Waste Authority
Champion Landfill
Southern Plains Landfill
Farmer's Landfill
Potomac Landfill
RCC (Shade) Landfill
Bethlehem Landfill
Cumberland County Landfill
Sunflower Landfill
Acorn Landfill
McKean Landfill
Carroll County – Northern Landfill
West Kentucky Landfill

Morris County, NJ
Gloucester County, NJ
Middlesex County, NJ
Gloucester County, NJ
Dauphin County, PA
Baltimore, MD
Dutchess County, NY
Dutchess County, NY
Montgomery County, PA
Northumberland County, PA
Westmoreland County, PA
Allegheny County, PA
Washington County, PA
Lackawanna County, PA
Schuylkill County, PA
Harrison County, OH
Montgomery County, PA
St. Clair County, AL
Lewis County, MO
Fayette County, PA
Centre County, PA
Clarion County, PA
Brunswick County, VA
Bradford County, PA
Champion Mills, NC
Lewis County, OK
Livingston County, MO
Prince William County, VA
Somerset County, PA
Northampton County, PA
Cumberland County, PA
Tallasse, AL
Moody, AL
McKean County, PA
Westminster, MD
Mayfield, KY

Among the post Subtitle D recently permitted facilities on which Martin and Martin, Inc. provided design and consulting services include:

Alliance Landfill	Fulkroad Landfill, a Chambers Development Facility
Rolling Hills Landfill	Brunswick Landfill
Pine Grove Landfill	Acmar Landfill
Bethlehem Steel Company Residual Waste Landfill	Southern Plains Landfill
Community Refuse (Mountain View), Ltd.	RCC (Shade) Landfill
Cumberland County Landfill	Bethlehem Landfill
Blue Ridge Landfill	Sunflower Landfill
Bedford-Fulton-Huntingdon – Sandy Run Landfill	West Kentucky Landfill
County Landfill, Inc.	McKean County Landfill
Greater Lebanon Refuse Authority Landfill	Western Berks Landfill
CBF Landfill	Chester County Solid Waste Authority – Lanchester Landfill
Carlin Landfill Closure	Carroll County, MD – Northern Landfill

Demolition Waste Disposal Sites

Martin and Martin, Incorporated has worked on the design and permitting of demolition waste disposal sites including:

Delta Demolition Site #4	Elk County, PA
Waymart Waste	Lackawanna County, PA
Delta Demolition Site #7	Cambria County, PA
Canestrone Contracting	Washington County, PA
Knickerbocker - Quarry B	Montgomery County, PA
Limestone Township Landfill - Closure	Lycoming County, PA
Potomac Landfill	Prince William County, VA
BRADS Landfill	Schuylkill County, PA
ERSI Landfill	Lackawanna County, PA

Construction Quality Assurance/Construction Management Services

Martin and Martin, Incorporated also provides complete construction quality assurance and construction management services relative to construction of lined sanitary landfills through its CQA Services, Inc. subsidiary. CQA provides complete soils testing services, including permeability, grain size, and density testing of both fine grained and coarse grained soils and stone products. Additionally, CQA tests synthetic membrane materials for conformance with specifications and tests field coupons for peel, shear, and tensile conformance. Complete surveying services and certification of installation are also available. Among the sites where CQA Services, Inc. provided inspection and certifications are:

CQA Inspections

Southern Plains Landfill	Farmer's Landfill
Blue Ridge Landfill - CM	CBF Landfill
County Landfill	Rolling Hills Landfill
Alliance Landfill	Cumberland County Landfill
Harrisburg Incinerator - Cell B-2	Greater Lebanon Refuse Authority
Acmar Landfill	Pine Grove Landfill - CM
RCC Landfill	Chilton County Landfill
New Hanover Landfill	Bedford-Fulton-Huntingdon County Landfill (Sandy Run)
Kness Landfill	Dauphin Meadows Landfill
Y & S (Greenridge) Maintenance Inc. Landfill	Bethlehem Landfill - CM
Lanchester Landfill	Grunderville Municipal Waste Landfill
Empire Wrecking Construction/Demolition Waste Landfill	Stanley G. Flagg & Co. Landfill
Kelly Run Landfill	Christman Landfill
Tri-County Landfill	Senaca Landfill
Mt. Zion Landfill	Milton Grove Landfill
Northern Tier Landfill	Mifflin County Solid Waste Authority Landfill
Letterkenny Army Depot Waste Lagoon Closure	PA Power & Light Brunner Isl. Lagoon Closure
Valley Landfill	York County Solid Waste Authority Landfill
Bethlehem Steel Residual Waste Landfill	Pottstown Landfill
Guilford Township Sanitary Landfill	Shade Landfill, Inc.
Pioneer Crossing Landfill	Yell County Landfill
Mississippi County Landfill	Elfrida Landfill - CM
Fairmount Road Landfill	Hoods Mill Sanitary Landfill
John Owings Landfill	Nicholson Road Sanitary Landfill
Talbot County Landfill	Backridge Landfill
City of St. Joseph Sanitary Landfill - CM	Fort Dix Sanitary Landfill
Blydenburgh Road landfill	Campbell County Sanitary Landfill
Brunswick Waste Management Facility	Shredded Prod. Corp. Waste Management Facility
Ivy Sanitary Landfill	McDowell County Landfill
Russell County Sanitary Landfill	Mountain View Reclamation Landfill
Sycamore Landfill	McKean County Landfill – CM
Western Berks Landfill – CM	Westminster, MD
Carroll County – Northern Landfill	West Kentucky Landfill - CM
	Lasky Landfill

CM = Also provided Construction Management

Leachate Collection and Treatment

With the advent of Subtitle D, the interception and treatment of leachate must be utilized to render the site usable. Martin and Martin, Incorporated personnel have provided services in that regard to the following sites:

Alliance Landfill	Lackawanna County, PA
Harlem Valley Landfill	Dutchess County, New York
Sanitary Landfill Company, Inc.	Westmoreland County, PA
Y & S (Greenridge) - E. Huntingdon Township Landfill	Westmoreland County, PA
Greater Lebanon Refuse Authority Landfill	Lebanon County, PA
New Garden Facility #1 Landfill	Chester County, PA
New Garden Facility #2 Landfill	Chester County, PA
Fulkroad Landfill	Dauphin County, PA
Rolling Hills Landfill	Berks County, PA
Airport Landfill	Dutchess County, New York
D.W. Landfill	Northumberland County, PA
Community Refuse (Mountain View), Ltd.	Franklin County, PA
Bedford-Fulton-Huntingdon – Sandy Run Landfill	Bedford County, PA
Pine Grove Landfill	Schuylkill County, PA
County Landfill	Clarion County, PA
Acmar Landfill	St. Clair County, AL
Brunswick Landfill	Brunswick County, VA
Farmer's Landfill	Livingston County, MO
McKean Landfill	McKean County, PA

Recycling/Transfer Facilities

Over the years, society has tried to make use of waste under the general heading of resource recovery. This includes waste 'shipping', materials recovery, and energy recovery from solid wastes. Among the projects within this category designed by this firm are the following:

Y & S Reclamation - Separation and bailing of corrugated paper	Westmoreland County, PA
Dutchess County Pyrolysis - Pyrolyzation of refuse to gas	Dutchess County, New York
Dutchess County Pyrolysis - Metal Separation	Dutchess County, New York
R & A Bender, Inc. Pelletization Plant	Franklin County, PA
Clements Transfer Station	Lebanon County, PA
Oneida-Herkimer Transfer Station	Herkimer County, New York
Bio-Oxidation, Inc.	Franklin County, PA Dauphin, County, PA
New Hanover Incinerator	Montgomery, PA
Wishard's Tire Hauling & Recycling	Hanover, PA
Concord Recycling	York County, PA
World Resources and Recycling	Erie County, PA
Waste Management – Camp Hill Transfer	Dauphin County, PA
Neiderer Sanitation	Adams County, PA
Lesher Re-load Rail Transfer	Franklin County, PA
McKean Co. Landfill – Rail Siding Transfer	McKean County, PA

Special Waste Processing Facilities

New Hanover Incinerator/Autoclave	Montgomery County, PA
Bioremediation Incinerator – Medical Waste Bureau	Franklin County, PA
Bioremediation Facility – Incinerator Autoclave	Dauphin County, PA

SUMMARY

General Scope of Services

ENGINEERING SERVICES

Studies and Reports:

Analysis of clients' needs, planning surveys, site evaluations, comparative studies of prospective sites and solutions, economic analysis of alternatives, investigation and analysis of existing structures.

Preliminary Design:

Prepare preliminary design documents consisting of final design criteria, preliminary drawings, and outline specifications.

Prepare estimate of project cost, including construction cost, compensation for professionals and consultants, cost of land, rights-of-way, interest and financing costs and contingencies.

Final Design:

Prepare final design and contract drawings and specifications to show the character and the scope of work to be performed.

Permitting:

Submit design plans, specifications, reports and required application forms as required to obtain local, state and federal permits.

Construction Quality Assurance:

Inspection of construction to insure that the construction of the liner system and related facilities are installed in accordance with the approved plans and state-of-the-art construction controls, and both conformance testing and field destruction testing of synthetic membrane, through our affiliated company, Construction Quality Assurance Services, Inc.

Bidding or Negotiating:

Provide assistance to client in obtaining approvals of authorities having jurisdiction over the project.

Preparation of bid forms, notice to bidders, instructions to bidders, general conditions, supplementary conditions and other related documents.

Obtaining bids and/or negotiating with contractors for the performance of the work.

Assist client in purchasing equipment and materials.

Construction:

- Observation of construction progress
- Review and approval of shop drawing and submittals
- Preparation of change orders
- Preparation of As-Built drawings
- Resident engineer and inspection
- Construction Management

TECHNICAL SERVICES

Design and development of specialized structures, equipment, methods and machinery.

Development of "Shop Standards" of detailing and fabrication methods.

Complete layout, erection, and detail fabrication drawings for such facilities as:

- Overhead handling systems
- Crushing and screening circuits
- Pulpwood handling, storage and recovery
- Wallpaper processing machinery
- Pneumatic handling systems
- Conveyorized washing, coating and drying equipment
- Bulk handling and storage
- Ore handling, storage and recovery
- Bins, tanks, hoppers and enclosures
- Piping layouts
- Ductwork layouts
- Special formwork and construction equipment
- Solid Waste handling equipment

ADDITIONAL RESOURCES

Martin and Martin, Incorporated, like most engineering consultants, maintains a fully equipped office with print reproduction, copying and similar capabilities.

Among the additional resources which are available to Martin and Martin, Incorporated are:

An AUTOCAD system, numerous personal computers, and several CAD related engineering support and design systems. A complete staff including structural, mechanical, civil and environmental engineers; architecture expertise; surveyors; economists; and a complete staff of mechanical, structural and general draftsmen.

PUBLICATION AND PRESENTATIONS

As recognized experts in the field of solid waste management, Martin and Martin, Incorporated personnel have published articles on solid waste management in technical journals with international distribution. In addition, personnel have presented papers and technical speeches before local, state, and national audiences.

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.