

**STERLING ENVIRONMENTAL ENGINEERING, P.C.**

**STATEMENT OF QUALIFICATIONS**

**PROJECT EXPERIENCE**

Sterling Environmental Engineering, P.C.  
24 Wade Road  
Latham, New York 12110  
(518) 456-4900

Revised  
January 2004

## **PROJECT EXPERIENCE**

The following is a partial list of projects completed or currently underway by STERLING.

### **LANDFILL SERVICES**

#### **TOWN OF PATTERSON, Patterson, New York**

Landfill Closure Plan, cover system design, plans and specifications, construction supervision and post closure monitoring. STERLING obtained NYSDEC approval for Mandate Relief Variances allowing deletion of the gas vent layer and one half the thickness of the barrier protection layer of the final cover. STERLING also secured approval for placement of more than 20,000 cubic yards of demolition debris for rough grading purposes. These approvals reduced the actual closure cost by more than 50% of the original estimate. STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on an annual basis. Additionally, STERLING developed EQBA Grant Applications as well as assisted the Town in securing a SRF Low Interest Loan for the landfill closure.

Contact: Michael Griffin, Supervisor  
845/878-6564

#### **TOWN OF MONTGOMERY, Montgomery, New York**

Landfill cover installation, construction certification, EQBA Grant Application and Payment Request. STERLING successfully obtained design variances from the NYSDEC eliminating the gas vent layer of the final cover while also obtaining a \$550,000 grant reimbursement from NYSDEC. STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on an annual basis.

Contact: Richard Hoyt, Attorney  
845/778-1800

#### **FICA LANDFILL, Poughkeepsie, New York**

Site investigations and development of landfill closure, plans and specifications, construction supervision. STERLING secured most of the grading and final cover materials from a variety of alternative sources. Some of the material was accepted at no cost to the owner. Additional materials, such as coal ash, were accepted with a tip fee which was applied to the closure fund.

Contact: Kevin Young, Esq.  
518/438-9907 ex 225

#### **FRESHKILLS LANDFILL, New York City, New York**

Expert testimony and evaluations concerning the remediation of the Freshkills Landfill.

Contact: James Periconi, Esq.  
212/213-5500

#### **PELHAM BAY LANDFILL, New York City, New York**

Expert testimony and evaluations concerning the remediation of the Pelham Bay Landfill.

Contact: James Periconi, Esq.  
212/213-5500

**SENECA MEADOWS, INC.**, Waterloo, New York

Permitting, closure plan, groundwater remediation project for 100-acre landfill site in Western, New York.

Contact: Carl Casaccia  
315/539-5624

**CENTRAL HUDSON GAS & ELECTRIC**, Danskammer, New York

Landfill siting study for a coal ash management landfill. Developed NYSDEC Beneficial Use Application for utilization of coal fly ash within landfill closure and construction projects.

Contact: Michael Gallucci  
845/486-5456

**TOWN OF SHAWANGUNK**, Wallkill, New York

Landfill Closure Plan, cover system design, plans and specifications for the Town landfill. STERLING developed an application resulting in the Town receiving an SRF Low Interest Loan for the Landfill Closure. STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on an annual basis.

Contact: John Valk, Supervisor  
845/895-2900

**CASELLA WASTE MANAGEMENT - SUNDERLAND LANDFILL**, Sunderland, Vermont

Landfill Closure Grading Plan and Conceptual Landfill Closure Plan.

Contact: Larry Lackey  
802/223-7221

**CASELLA WASTE MANAGEMENT - BOLA LANDFILL**, Whitehall, New York

Landfill Closure Plan, construction supervision and resident engineering for the landfill final cover construction.

Contact: John Casella  
802/775-0325

**TOWN OF ROTTERDAM**, Rotterdam, New York

Conducted an investigation of leachate from the municipal solid waste landfill and evaluated alternatives for mitigation of impacts to groundwater, design onsite leachate treatment system.

Contact: John Paolino, Supervisor  
518/355-7575

**TOWN OF CLARKSTOWN LANDFILL**, Clarkstown, New York

STERLING was retained by the Town of Clarkstown to mediate a \$6,000,000 construction claim associated with the closure of the Clarkstown landfill. STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on a quarterly basis.

Contact: Luke Kalarickal  
845/639-2111

**TOWN OF SOUTHEAST LANDFILL**, Brewster, New York

Landfill Closure Plan, cover system design, plans and specifications for the Town landfill. STERLING developed an application resulting in the Town receiving an SRF Low Interest Loan for the Landfill Closure. STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on an annual basis.

Contact: John Dunford, Supervisor  
845/279-4313

**TOWN OF FALLSBURG LANDFILL**, South Fallsburg, New York  
Landfill Closure Plan, cover system design, plans and specifications for the Town landfill. STERLING developed an application resulting in the Town receiving an SRF Low Interest Loan for the Landfill Closure. STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on an annual basis.  
Contact: Will Illing, P.E., Town Engineer  
845/434-6320

**TOWN OF BETHEL LANDFILL**, Bethel, New York  
STERLING currently conducts monitoring well sampling and explosive gas surveys, analyze the results and submit a progress report to the NYSDEC on an annual basis.  
Contact: Glenn Smith, P.E., Town Engineer  
845/796-2216

**TOWN OF MONROE LANDFILL**, Monroe, NY  
STERLING is updating the pre-closure site investigations and developing a landfill closure plan and design.  
Contact: Sandy Leonard, Supervisor  
845/783-1900

## **BROWNFIELDS**

**PALISADES CENTER**, Nyack, New York  
Environmental permitting and impact analysis, design and construction oversight for a large mall development project. Included landfill closure, petroleum spill remediation, installation of a leachate collection system, and environmental monitoring.  
Contact: Thomas Valenti, Cameron Group  
315/701-3334

**SOUTH TROY PILOT BROWNFIELDS ASSESSMENT**, South Troy, New York  
A United States Environmental Protection Agency (USEPA) funded Environmental Assessment for the City of Troy of 56 parcels along the Hudson River as part of a comprehensive brownfields effort involving public and community outreach and participation. Involved a team including River Street Planning and Development and Transportation Concepts. Led to further USEPA funding of a presently on-going Phase II Environmental Assessment of these parcels, including field sampling and analysis.  
Contact: Walt Van De Loo  
518/270-4604

**FORMER EXXON TERMINAL**, Pelham Manor, New York  
Performed a Phase I Environmental Site Assessment at a former oil storage facility. Negotiated with former owner and NYSDEC regarding cleanup requirements and development options and limitations. Oversaw performance of investigations and remedial work.  
Contact: Robert Bass  
914/277-5404

**RENSSELAER IDA**, Rensselaer, New York

Reviewed previous investigations and site assessments at the Rensselaer Cogeneration Facility.  
Made recommendations regarding previous work and further remedial work necessary.  
Contact: Ed Sossner, Esq.  
518/463-1203

### **PHASE I ENVIRONMENTAL SITE ASSESSMENTS**

All Lifts, Inc., Albany, NY  
Armonk, Armonk, NY  
Bally's Fitness, Albany, NY  
BDS Sanitation, Sidney, NY  
Charter One Bank, Albany, NY  
Council of Community Services, Albany, NY  
Community Workshop, Fort Edward, NY  
Danz Family Heating, Albany, NY  
Dominick Street Transfer Station, Rome, NY  
Elmsford Sheet Metal, Fishkill, NY  
Erie Steel, Philadelphia, PA  
E-Z Mart, 492 Route 20, New Lebanon, NY  
Family Lodge, LLC, East Greenbush, NY  
Maggie's Restaurant, Albany, NY  
Nathan Littauer Hospital/St. Mary's, Amsterdam, NY  
Nemer Volkswagon, Latham, NY  
Northern Sanitation, Plattsburgh, NY  
Pepsi Bottling, Binghamton, NY  
Pepsi Bottling, Rochester, NY  
Pepsi Bottling, Syracuse, NY  
Smiths Beauty and Barber Supply, Troy, NY  
Soccer Unlimited, Albany NY  
Stollman Property, Monticello, NY  
Town of Kinderhook, Kinderhook, NY  
Town of Olive, Olive, NY  
Vatrano Realty, Albany, NY  
VETS Disposal, Oneonta, NY

### **PHASE II ENVIRONMENTAL SITE ASSESSMENTS**

Charter One Bank, Albany, NY  
Pepsi Bottling, Binghamton, NY  
Pepsi Bottling, Syracuse, NY  
Pepsi Bottling, Rochester, NY  
WSI, Potsdam, NY  
WSI, Malone, NY  
Stollman, Monticello, NY  
Vatrano Realty, Albany, NY  
Mobil Mt. Vernon Terminal, Mt. Vernon, NY  
Town of Kinderhook, Kinderhook, NY  
Riverside Mall, Saratoga, NY  
Emery/ Menlo Worldwide Forwarding, Inc.  
Breslin Realty Development Corp.

## **PETROLEUM SITE REMEDIATION**

**PEPSI-COLA / ALLIED BOTTLERS, INC.**, Syracuse, Rochester, Binghamton, New York  
Environmental site investigation and evaluation of petroleum spill sites.

Contact: Roland Cavalier, Esq.  
518/463-3990

**CAROUSEL CENTER**, Syracuse, New York

Environmental evaluations of Oil City in City of Syracuse in support of proposed expansion of Carousel Center Mall. STERLING's evaluation included remedial cost estimates for addressing extensive petroleum contamination of soil and groundwater.

Contact: David Tagg, P.E.  
315/466-6000

**FORMER MOBIL TERMINAL**, Mt. Vernon, New York

Performed Phase I and Phase II Environmental Site Assessments of a former major oil storage facility. Participated in negotiations with regulatory agencies and former owner regarding remediation and development of property. Performed remedial investigations and oversaw remedial work at the site.

Contact: Robert Bass  
914/277-5404

**MEISNER AUTO PARTS**, Colonie, New York

Remedial Investigation and management of an automotive recycling facility. Services included remediation of spilled used oil, gasoline, and automotive coolant. STERLING also arranged for the removal of several underground storage tanks and associated impacted soil.

Contact: Marc S. Gerstman  
518/432-4100

## **PETROEUM STORAGE TANKS AND SPILLS**

**REVERE SMELTING CORP.**, Middletown, New York

Prepared a comprehensive spill plan for seven (7) petroleum storage tanks and six (6) hazardous substance tanks that met both the requirements for 6 NYCRR Parts 598, 612, 613 and 614, and 40 CFR 112.

Contact: Ron Bogart  
845/692-4414

**CENTRAL HUDSON**, Mid-Hudson Valley, New York

Prepared Spill Prevention Control & Countermeasure (SPCC) Plans for substations, transformer areas and headquarters.

Contact: Michael Gallucci  
845/486-5779

**A. SERVIDONE CONSTRUCTION**, Castleton, New York

Supervised a tank closure and spill investigation. Prepared a SPCC Plan for several tanks for this major construction firm.

Contact: Mark Servidone  
518/732-7773

**SEAGROATT FLORAL**, Albany, New York

Supervised the closure of a gasoline and a fuel oil tank, including the preparation of a spill report that achieved a spill closure letter from the NYSDEC.

Contact: Roland Cavalier, Esq.  
518/463-3990

**BENEFICIAL USE**

STERLING has routinely utilized the following materials in landfill closure or general projects:

- Construction surplus soil
- stone
- wood chips
- plaster
- brick
- pavement
- coal ash
- Class 1 compost
- masonry products
- rock dust
- concrete
- clearing & grubbing materials
- wood
- roofing materials
- dewatered sewage sludge/soil mixture
- foundry sand

**WORMUTH BROTHERS FOUNDRY, INC.**, Athens, New York

Located outlets for various types of foundry sand and slag. These outlets included a golf course, landfill closures and a recreational vehicle (RV) campground.

Contact: Bernie Nelson  
518/945-1700

**STEEL STYLE**, Newburgh, New York

Assisting in management of regulated solid waste including dredge spoil.

Contact: David Plotkin  
845/562-0860

**IROQUOIS FOUNDRY**, Waverly, NY

STERLING developed a beneficial use petition for Iroquois' foundry sand seeking to utilize foundry sand for various clean fill applications.

Contact: Tom Kisloski  
607/565-8115

**KILBY BROTHERS, INC.**, Albany NY

Landfill project utilized glass cullet as gas vent and grading material.

Contact: Thomas W. McClain  
518/456-2094

**CENTRAL HUDSON**, Danskammer, NY

Coal ash as landfill grading material.

Contact: Mark McClean  
914/486-5779

**TOWN OF BETHEL LANDFILL**, Bethel, NY

C&D debris as grading material.

Contact: Glenn Smith, P.E., Town Engineer  
845/796-2216

## **ENVIRONMENTAL IMPACT ANALYSIS**

### **COOPERSTOWN GEIS, Cooperstown, New York**

Researched and prepared portions of the GEIS concerning water and wastewater infrastructure, including lake capacity, soil limitations and water and wastewater treatment facilities characteristics, capabilities and limitations.

Contact: Nan Stolzenburg  
518/872-9753

### **CLINTON COUNTY, Plattsburgh, New York**

STERLING conducted and/or supervised baseline environmental studies, prepared a Draft Environmental Impact Statement (DEIS) and prepared the Long Term Development Plan associated with a major expansion of the Clinton County Landfill near Plattsburgh, New York. The DEIS carefully evaluated the existing environmental condition of the facility and its environs and assessed the potential environmental impacts to surface water, groundwater, visual resources and community character. Pre-expansion baseline conditions were defined for noise, dust, traffic and future impacts were modeled using industry-accepted methodology. STERLING conducted or supervised all supplemental field activities, data collection and reporting, and was fully responsible for the production of the DEIS document (a document that measures 15" in thickness).

STERLING's work product also served as the primary submittal to the Federal Energy Regulatory Commission (FERC) for related environmental approvals needed for the land transfer necessary for the landfill expansion project.

This multi-year role by STERLING was integral to New England Waste Services (NEWSNY's) and Clinton County's receipt of a permit from the NYSDEC and approvals from FERC for the initial phase of the project. The SEQRA compliance efforts by STERLING and the project team are ongoing and are expected to satisfy additional permitting needs for the next 50 years.

Contact: Larry Lackey  
802/223-7221

### **FORT CRAILO ASSOCIATION/BESICORP, Rensselaer, New York**

Assisted this neighborhood association to ensure proper review and mitigation of impacts associated with Besicorp's proposal to build a combination newsprint recycling/electric cogeneration facility at a former chemical manufacturing facility in Rensselaer, New York.

Contact: Hans Dirzuweit  
518/436-9908

**ST. LAWRENCE CEMENT**, Hudson, New York (client: Columbia Hudson Partnership)

Reviewed a voluminous set of air permit applications and an Environmental Impact Statement for deficiencies, especially with regards to issues that could affect local business and commercial development. Participated in issues conference and negotiation of a memorandum of agreement.

Contact: Edward P. McConville, Esq.

518/477-7951

**PINE PLAINS**, Pine Plains, New York

Researched and prepared portions of a Comprehensive Plan for the Town of Pine Plains including a solid waste, water and wastewater infrastructure evaluation and needs assessment. The Comprehensive Plan also included a summary of soil limitations, drinking water well survey, groundwater quality and yield information, water and wastewater treatment facilities capabilities and limitations, watershed protection issues, and identification of potential funding sources to address future needs.

Contact: Nan Stolzenburg

518/872-9753

**SPRINGFIELD (Glimmerglass Opera)**, Springfield, New York

Representing the Town Planning Board, reviewed a proposal by an organization planning to expand its living facilities and associated wastewater treatment facilities. Issues were raised regarding wetlands, soils permeability, adequacy of former treatment facilities, and special requirements for the Otsego Lake drainage basin.

Contact: Nan Stolzenburg

518/872-9753

**DREDGING**

**WHITE'S HUDSON RIVER MARINA, INC.**, New Hamburg, New York

Developed permit applications and conducted negotiations with U.S. Army Corp of Engineers, (USACOE) New York State Department of State, (NYSDOS) and NYSDEC relating to dredging, dock expansion and bulkhead development.

Contact: Judy Armstrong

914/297-8520

**WASTEWATER**

**STONE BRIDGE FARMS**, Greenport, New York

Design and construction oversight of a wastewater treatment system for a mobile home park.

Contact: Paul Apollonio

914/382-9111

**BOAT-N-RV WAREHOUSE**, New Baltimore, New York

Performed a wastewater treatment facility study and preliminary design and cost estimate for a future RV campground and 24-hour restaurant.

Contact: George Fancher

518/857-8118

**AMERICAN CANDLE**, Saugerties, New York

Performed an evaluation of the wastewater treatment system and industrial activities at this newly acquired facility to satisfy an inquiry by the NYSDEC.

Contact: John Conrad

845/454-2544

**CAMP FRENCH WOODS**, Hancock, New York

Prepared SPDES Permit Application and design for upgrade and modification to existing wastewater treatment system serving a camp population of 1,000 people.

Contact: Larry Siegel or Ronald Schaefer

954/346-7455

**NEPERA, INC.**, Harriman, New York

Analyzed a NYSDEC draft permit and determined that several areas of proposed regulation were inappropriate or excessive, particularly in the area of mercury. Participated in NYSDEC negotiations on behalf of the client.

Contact: Elizabeth Pfeiffer

845/782-1231

**NORLITE CORPORATION**, Cohoes, New York

Assessed liquid containment measures and spill response policies for a Truck Staging Area managing liquid hazardous waste and petroleum waste, sampled accumulated stormwater. Designed wastewater treatment facility and applied for waste water modification to the State Pollution Discharged Elimination System (SPDES) permit. Modified process waste water and cooling water facility design and obtained modified SPDES permit.

Contact: Tim Lachell

518/235-0401

**KEYMARK CORPORATION**, Fonda, NY

Prepared engineering report for replacement wastewater treatment facility and obtained NYSDEC approval to operate. Analyzed process wastewater from a particular process, conducted a sampling event on said wastewater, and analyzed various options for on-site treatment and discharge to the Publicly Owned Treatment Works (POTW).

Contact: Fred Lasher

518/853-3435

**STORM WATER PLANS AND DESIGN**

**THOMAS JACOBY PROPERTY**, New Lebanon, New York

Analyzed an approximately 80 acres former logging site with significant stormwater issues. Designed a stormwater detention basin to bring the site into compliance with the current stormwater regulations.

**MOUNT KISCO TRANSFER STATION**, Village of Mount Kisco, New York

Stormwater basin designed to collect runoff from the impervious areas of the Mt. Kisco Transfer Station prior to discharging to a near by NYSDEC wetland.

**CAMP FRENCH WOODS**, Hancock, New York

Developed a storm water pollution prevention plan (SWPPP) for the upgrades to the facility, which includes the upgrade and modification to existing wastewater treatment system on site and proposed athletic field.

**EXPERT TESTIMONY/LITIGATION SUPPORT**

**TOWN OF ELLENVILLE**, Ellenville, New York

Reviewed the Administrative Record concerning a scrap yard and history of action taken by local authorities and the NYSDEC. Provided expert report concerning responsibility.

Contact: Kimberly Furnish

518/465-3484

**KEENE VALLEY**, Keene Valley, New York

Expert testimony and evaluations for a petroleum spill.

Contact: Doreen Simmons, Esq.

315/471-3151

**ST. VOLODYMYR UKRANIAN CHURCH**, Utica, New York

Provided litigation support and expert testimony concerning oil spill adjacent to a church. Installed monitoring wells in support of litigation effort, and conducted quarterly sampling to determine levels of contamination migrating onto church property.

Contact: Peter Palewski, Esq.

315/736-3699

**HISCOCK & BARCLAY**, Albany, New York

Served as an expert witness representing the City of Kingston, New York in litigation concerning contract disputes involving the City landfill.

Contact: Michael Smith, Esq.

518/434-2163

**RECYCLING/TRANSFER**

**RECYCLING ORGANIC MATERIALS, INC.**, White Plains, New York

Prepared a Construction Certification Report for a leaf composting facility pursuant to 6 NYCRR 360 and permit modification.

Contact: Albert Alfredo

914/946-0909

**METRO ENVIRO, LLC** Croton-on-Hudson, New York

Prepared a permit application for a 1,450 cy/day construction/demolition and wood process and recycling facility.

Contact: Michael Altobelli

914/271-9111

**NORTHERN RECYCLING** (Waste Management, Inc), Goshen, New York  
Complete design and permitting of a 400 ton per day solid waste transfer station. Preparation of 6 NYCRR 360 permit, plans, specifications, operation and maintenance manual, and environmental impact statement.

Contact: Ann Santell  
518/469-8944

**SOMERS SANITATION**, Somers, NY

Design of facility improvements and associated modifications to the facility 6 NYCRR 360 permit.

Contact: Larry Bria  
914/277-8896

**MERGERS/ACQUISITIONS**

**KTI/CASELLA MERGER**

STERLING performed environmental due diligence on 40 sites, which were the subject of Casella's acquisition of KTI. Sites were located in the states of Maine, Massachusetts, Connecticut, New Jersey, Pennsylvania, Virginia, Maryland, North Carolina, South Carolina, Georgia, Florida, Texas, Michigan, Ohio, Illinois, Oregon and Arizona.

Contact: Larry Lackey  
802/223-7221

**WASTE STREAM/CASELLA MERGER**

STERLING performed environmental due diligence of 14 properties in upstate New York, which were the subject of Casella's acquisitions of Waste Stream, Inc.

Contact: Larry Lackey  
802/223-7221

**AIR SERVICES**

**BALL CORPORATION**, Middletown, New York

Performed an emissions mass balance including volumetric flow rate measurements at all emission points for Title V permitting.

Contact: Richard Fischer  
845/692-3857

**BEECHER POTTERY**, Town of Jewett, New York

Inspected and reviewed the operating parameters of an artists kiln and wrote a briefing letter for use in obtaining local approvals.

Contact: Marc S. Gerstman  
518/432-4100

**AMERICAN CANDLE**, Saugerties, New York

Performed an evaluation of the air discharges and industrial activities at this newly acquired facility to satisfy an inquiry by the NYSDEC.

Contact: John Conrad  
845/454-2544

## **INDOOR AIR QUALITY SAMPLING**

### **BUSINESS OFFICES, Albany, New York**

Conducted mycological sampling in various business offices. Air samples were collected using an Aerotech 6<sup>TM</sup> Viable Microbial Particle Sampler and an Air-O-Cell<sup>TM</sup>. Surface samples were collected using a swab. Data was analyzed and a report with recommendations was produced. Monitoring post-remediation was also produced.

### **RESIDENCE, Rotterdam, New York**

Pesticide sampling was conducted at a residential building to determine the extent of pesticide misapplication.. Interpreted sampling results reviewed and modified remedial effort Health & Safety plan and interior air monitoring plan. Interpretation of air monitoring during and post-remediation was provided

### **CITY OF TROY POLICE SPECIAL OPERATIONS, Troy, New York**

Monitored interior of office and seized vehicle storage building for the presence of toxic and explosive landfill gases.

## **ALTERNATE GRADING MATERIAL PROJECTS**

STERLING has developed a program to utilize alternate grading material (AGM) in the closure of municipal solid waste (MSW) landfills. The use of AGM such as construction and demolition (C&D) debris, coal fly ash, and filter cakes has substantially reduced the cost of landfill closure for STERLING's clients.

The following clients have utilized STERLING's AGM program in closing their landfills:

- Town of Bethel, Sullivan County
- Town of Shawangunk, Ulster County
- Town of Esopus, Ulster County
- Town of Patterson, Putnam County
- Town of Rhinebeck, Dutchess County
- Town of Northeast, Dutchess County
- Town of Wallkill, Orange County
- FICA Landfill, Dutchess County