



STERLING ENVIRONMENTAL ENGINEERING, P.C.
STATEMENT OF QUALIFICATIONS

January 2015

“Serving our clients and the environment since 1993”

OUR SERVICES

STERLING is well qualified and experienced to provide numerous environmental services that enable our clients to take a comprehensive approach to addressing complex environmental issues. The following list represents the range of services provided by STERLING:

ENVIRONMENTAL IMPACT ANALYSIS

- Environmental Impact Analysis and SEQRA Compliance
 - Baseline Environmental Studies
 - Hydrogeologic Investigations
 - Geotechnical Evaluations
 - Wetland Delineation
 - Threatened/Endangered Species
 - Traffic Studies
 - Archaeologic and Historic Resource Evaluation
 - Wastewater and Water Resource Evaluation
 - Noise Impact Analyses
 - Visual Impact Analyses
- Environmental Impact Statements (EISs)
 - Site Characterizations
 - Draft Environmental Impact Statement (DEIS)
 - Final Environmental Impact Statement (FEIS)
 - Generic Environmental Impact Statement (GEIS)
 - Findings Statements
 - Responsiveness Summaries

SOLID WASTE MATERIALS RECYCLING & TRANSFER STATIONS

- Recycling Programs
- Operations & Maintenance (O&M) Manuals
- Contingency Plans
- Facility Design
- State and Local Permitting
- Solid Waste Control Plans
- Leachate Collection and Disposal
- Material Recycling Facilities (MRF)
- Closure Plans
- Closure Cost Estimates
- Stormwater Multi-Sector General Permit

WASTEWATER & STORMWATER PLANS AND DESIGN

Stormwater

- Stormwater Management
- Construction Stormwater Permitting
- Multi-Sector Industrial Stormwater Permitting

- Storm Water Pollution Prevention Plans (SWPPPs)
- Stormwater Inspections (by “Qualified Inspectors”)
- Erosion & Sediment Control Plans
- Runoff Modeling and Analysis
- Best Management Practice Designs
- Low Impact Development Design (Green Infrastructure)
- MS4 Stormwater Compliance
- Regulatory Compliance

Wastewater

- Facilities Planning and Needs Surveys
- Comprehensive Plans
- Sewer System Evaluation Studies
- Infiltration Inflow Studies
- State Pollutant Discharge Elimination System (SPDES) Permitting
- Facility Designs
- Construction Management
- Operation and Maintenance
- Industrial Pretreatment
- Injection Well Assessment and Closure for United States Environmental Protection Agency (USEPA) Underground Injection Control (UIC) Program

LANDFILL ENGINEERING SERVICES

Landfill Engineering Services

- Landfill Siting Investigations
- Permit Applications
- Hydrogeologic Investigations
- Grant Applications
- Preparation of Detailed Plans, Specifications and Contract Documentation
- Waste Characterization Studies
- Environmental Impact Analysis
- Liner and Cover System Design
 - Industrial Waste
 - Municipal Solid Waste
- Construction Inspection/Resident Engineering
- Geotechnical Engineering
- Leachate Collection and Treatment
- Operation and Maintenance (O&M) Plans
- Contingency Plans
- Environmental Monitoring Programs
- Post Closure Monitoring and Maintenance Manual (PCMMM) Preparation
- Post Closure Monitoring and Maintenance
- Gas Control and Monitoring
- Closure Plans
- Geomembrane QA/QC Testing
- Borrow Source Evaluations

- Construction Certification
- Third-Party Cost Estimates

Solid Waste Services

- Comprehensive Solid Waste Planning
- Solid Waste Facility Siting Studies
- Economic Feasibility Studies
- Waste Characterization Studies
- Recycling Programs
- Hydrogeologic Investigations
- Subsurface/Geotechnical Investigations
- Federal, State and Local Regulatory Permitting
- Environmental Impact Analysis
- Engineering Design
- Environmental Monitoring Programs
- Beneficial Use Petitions
- Closure Programs
- Third-Party Cost Estimates
- Detailed Plans, Specifications and Contract Documentation
- Construction Inspection/Resident Engineering
- Construction Certification
- Post Closure Monitoring and Maintenance Programs
- Grant Applications

NATURAL RESOURCES

- Wetland Identification, Delineation and Classification
- Stream and Wetland Assessment, Restoration and Mitigation
- Natural Resource Inventories
- Wildlife Inventories
- Threatened and Endangered Species Assessment
- NYSDEC/USACOE Permits
- Environmental Impact Statements (EIS)
- GIS/GPS Data Collection and GIS Mapping
- Agency Enforced Action Compliance
- NEPA and SEQRA Compliance
- Floodway Delineation
- Streambank Stabilization
- Litigation Support and Expert Services
- Public Presentations and Expert Testimony
- Grant Applications

RESIDUAL MATERIALS MANAGEMENT AND BENEFICIAL USE

- Beneficial Use Petitions
- Residual Materials Management
- Material Tracking/Construction Supervision

- Alternate Grading Material
- Construction Certification

AIR SERVICES & INDOOR AIR QUALITY SAMPLING

- Sub-Slab Vapor Sampling
- Soil Gas Vapor Sampling
- Emissions Monitoring
- Part 201 Permits
- Title V Permits
- Mold Sampling
- Summa Canister Sampling
- Air Emissions Assessments
- Landfill Gas Monitoring
- Indoor Air Quality Mitigation

SITE DEVELOPMENT AND BROWNFIELDS

- Brownfield Applications
- Site Plan Applications
- Development Plans
- State and Local Permitting
- Site Characterizations
- Wetland Determinations/Delineations
- Environmental Site Assessments
 - Phase I
 - Phase II
 - Phase III
- Detailed Site Investigations
- Environmental Impact Analysis
- Negotiation of Administrative Orders
- Permit Applications
- Grant Applications
- Cost Estimating
- Risk Analysis and Evaluation
- Alternative Clean Up Criteria
- Public Outreach and Participation

HYDROGEOLOGIC SERVICES

- Groundwater Exploration
- Aquifer Mapping
- Groundwater Resource Evaluation
- Watershed Management and Protection
- Wellhead Protection Plans
- Water Supply Investigations
- Well Field Engineering
- Pumping Tests
- Well Design

- Preliminary Site Investigations
- Remedial Investigations
- Groundwater Monitoring and Sampling
- Contaminant Transport Studies
- Groundwater Modeling
- Mining Hydrology
- Permeability Testing

HAZARDOUS WASTE SITE SERVICES

- Site Assessments
- Delisting Petitions
- Remedial Investigations
- Contaminant Transport Modeling
- Feasibility Studies
- Interim Remedial Measures
- Final Remedial Programs
- Hazardous Waste Landfill Closures
- Construction Management/Resident Engineering
- Remedial Cost Estimates
- Expert Evaluations and Testimony
- Long-Term Operation and Maintenance
- Regulatory Agency Negotiations
- Risk Assessment
- Third-Party Cost Estimates
- Environmental Monitoring Programs
- Data Validation
- Compliance Monitoring
- Multi-Party Settlements
- RCRA Facility Closures
- Waste Analysis Plans
- Market Studies
- Hazardous Waste Facility Permits
- Health and Safety Plans

PETROLEUM SITE REMEDIATION, PETROLEUM AND CHEMICAL STORAGE TANKS AND SPILLS

- Petroleum Bulk Storage Permits
- Spill Prevention, Control and Countermeasure (SPCC) Plans
- Tank Inspection and Assessment
- Tank Removals and Closure Reports
- Spill Prevention Report
- Spill Assessment and Site Investigation
- Spill Remediation and Treatment
- Well Design and Installation
- Groundwater Monitoring and Sampling
- Third Party Cost Estimates
- Litigation Support

MINING

- Mining Permits & Renewals
- Modifications to Existing Mining Permits
- Mined Land Use Plans
- Reclamation Plans
- Mining Hydrology Studies
- Related Environmental Studies and Impact Analyses

GEOGRAPHIC INFORMATION SYSTEMS

Geographic Information Systems (GIS) is a powerful tool for environmental analysis, interpretation and visualization, and is an essential component of STERLING's business. From preliminary mapping to analyses, GIS supports a wide range of projects related to solid waste landfills, infrastructure, wetland science, etc. STERLING staff utilize the latest software technology, ESRI (ArcGIS), AutoCAD and Trimble GPS to provide clients with ways to maximize their use of and manage their assets more efficiently.

- Needs Assessment
- Environmental Constraint and Build-Out Analyses
- Cartographic Mapping
- Land Use Analysis
- Water, Stormwater & Sewer Infrastructure Mapping
- Watershed & Hydrology Analyses (including the use of HydroCAD)
- Natural Resource Inventories, Analysis & Mapping
- Data Conversion & Geo-Database Design
- Land Development Support
- Feasibility Studies
- Local, State and Federal Agency Permitting Support
- Environmental Impact Statements (EIS)
- Wetland Mapping and Assessment
- GPS Data Collection and Mapping

EXPERT TESTIMONY, LITIGATION SUPPORT, MERGERS & ACQUISITIONS

- Adjudicatory Hearings & Expert Testimony
- Litigation Support
- Expert Evaluations
- Expert Witness