



## STATEMENT OF QUALIFICATIONS

[www.PyramidEnvironmental.com](http://www.PyramidEnvironmental.com)

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## Background

Pyramid Environmental & Engineering, P.C. (Pyramid) was founded in 1990 and has continuously provided quality environmental services in North Carolina for the past 21 years. Pyramid offers cost-effective, comprehensive environmental consulting and project management services throughout the eastern United States, maintaining operations in Greensboro, North Carolina. The primary resources of the Pyramid team are our personnel. A variety of different backgrounds and onsite experiences give our staff the ability to provide a wide range of environmental services.

Pyramid's project managers, licensed engineers, licensed geologists and environmental specialists offer our clients timely, high-quality, and cost-effective solutions that take into consideration all aspects and phases of a project. Our OSHA-certified personnel and regulatory experts ensure a thoroughly trained workforce, and services that are in full compliance with regulatory requirements. Pyramid has consistently demonstrated an effective and cooperative working relationship with federal, state and local regulators as well as private clients.

### Services Offered By Pyramid Environmental

- ◆ Environmental Engineering and Design
- ◆ Environmental Real Estate Assessments
- ◆ Underground Storage Tank Management
- ◆ Soil and Groundwater Remediation Design, Installation, and Management
- ◆ Geophysical Investigations/Remote Sensing
- ◆ Asbestos Sampling and Management Plans
- ◆ Lead Paint Sampling and Management Plans
- ◆ Air Quality Monitoring, Modeling, and Permitting
- ◆ Hazardous Waste Removal and Disposal
- ◆ Hydrogeological Investigations
- ◆ Stormwater Management
- ◆ Commercial Development Services
- ◆ Waste Reduction and Waste Minimization
- ◆ Comprehensive Site Assessments
- ◆ Industrial Compliance Services
- ◆ Regulatory Closure Requests.

## Regulatory Knowledge & Experience

Pyramid has consistently demonstrated an effective, cooperative working relationship with federal, state, and local regulators to the benefit of our clients. With more than 150 years of collective experience, Pyramid's professionals have established strong working relationships with federal and state regulatory agencies throughout the nation. We have regulatory specialists who maintain active involvement with agency personnel, developing personal relationships that enhance our ability to communicate and negotiate with regulatory authorities.

Pyramid has extensive experience and comprehensive working knowledge of the regulations and regulators expected to impact work including the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), National Environmental Policy Act (NEPA), Clean Water Act, Clean Air Act, the Endangered Species Act, the Pollution Prevention Act, the Safe Drinking Water Act; and state and local regulations. Our regulatory experience ranges from simple, one-permit tasks to very complex projects involving federal, state, and local regulations and negotiations. This experience gives our personnel the regulatory knowledge to effectively support clients in achieving compliance.

Pyramid's professionals stay current with the regulatory climate utilizing the following means:

- ◆ Active involvement in development of regulatory personnel registration standards
- ◆ Interaction in professional associations and committees
- ◆ Regularly commenting on proposed regulations
- ◆ Offering workshops and courses on hazardous waste regulations
- ◆ Presenting technical papers at seminars attended by regulatory personnel
- ◆ Providing national leadership in the integration of risk assessments into the corrective action process.

## Specific Services Offered by Pyramid Environmental

Pyramid's personnel are qualified and licensed professionals with the technical, scientific, regulatory, and business knowledge to help solve clients' environmental needs. Our capabilities allow us to become involved in a project from the beginning, identifying environmental risks and limiting the liability of clients. Our experience extends to all aspects of environmental management, including:

- ◆ Environmental Engineering and Design
- ◆ Environmental Real Estate Assessments
- ◆ Underground Storage Tank Management
- ◆ Soil and Groundwater Remediation Design, Installation, and Management
- ◆ Geophysical Investigations/Remote Sensing
- ◆ Asbestos Sampling and Management Plans
- ◆ Lead Paint Sampling and Management Plans
- ◆ Air Quality Monitoring, Modeling, and Permitting
- ◆ Hazardous Waste Removal and Disposal
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- ◆ Waste Reduction and Waste Minimization
- ◆ Comprehensive Site Assessments
- ◆ Industrial Compliance Services
- ◆ Regulatory Closure Requests.

Pyramid provides comprehensive environmental consulting and remediation services for a wide variety of projects. In addition, we provide ongoing environmental permitting, compliance, and waste management services to industry.

## Environmental Compliance

### Phase I and II Environmental Site Assessments

Phase I Environmental Site Assessments (ESA), performed prior to property purchase or funding of a property transaction, can prevent the uninformed acquisition of property that has hidden environmental liabilities. Pyramid works with buyers, sellers, and lenders to develop a scope of work that satisfies all parties and meets industry standards for due diligence. At a minimum, Pyramid provides an assessment that meets ASTM standards and includes research of site history, research of permit and enforcement history, and a physical evaluation of the property as well as surrounding properties.

Pyramid investigates the potential for latent environmental liability in a timely and confidential manner. Accurate recommendations are made, and comprehensive documentation is provided to our client. Pyramid works with the client to facilitate environmentally informed real property transactions.

### Comprehensive Site Assessments

After an environmental liability has been confirmed, Federal, State, and local regulatory requirements may necessitate a Comprehensive Site Assessment (CSA) to provide additional information about contamination. Licensed geologists oversee the performance of CSAs. Sampling data, groundwater flow parameters, and all available information concerning a site are used to determine the source, nature, and extent of contamination, with consideration of the final goal of efficient and effective remediation. Many UST sites have need of assessment and risk evaluation prior to remediation or closure.

### Environmental Compliance Audits

Pyramid performs environmental compliance audits to evaluate a facility's compliance with internal controls and external regulations. The audits may include pre-audit questionnaires, site visits, facility inspections, interviews, and detailed documentation. We will identify regulatory, economic, and legal liabilities, and develop a custom program for risk reduction, asset protection and enhancement, compliance with federal, state, and local regulations, and internal quality controls.

### **Regulatory Compliance/Permitting**

Pyramid provides professional consulting services related to the preparation of air and water (both discharge and infiltration) permits for various industries. Our project experience includes evaluating permitting needs, permitting new processes, amending existing permits as necessitated by process changes, and permitting our own on-site remedial systems.

Pyramid has obtained air permits on behalf of clients in EPA-designated non-attainment areas where air emissions are tightly regulated. These permits have been required for industrial processes and for various soil and groundwater remediation systems, which Pyramid has implemented, such as vapor extraction and air stripping systems.

Our water permitting experience includes public-owned treatment works (POTW) permits in various municipalities, NPDES permits, non-discharge permits, and groundwater injection permits. Pyramid has obtained permits on behalf of our clients for stormwater and industrial water control and for the return to the environment of effluent from our own groundwater treatment systems.

Pyramid has also prepared numerous Stormwater Pollution Prevention Plans and Spill Prevention Control and Countermeasure Plans for numerous industries throughout North Carolina and Virginia. This work has extended to providing NPDES stormwater sampling and design of spill control devices and best management practices.

### **Corrective Action Plans**

Corrective Action Plans (CAP) combine site assessment information with engineering plans and specifications to produce a design to correct identified environmental problems. Pyramid's complete capabilities in implementing CAPs give us special insight into the development of cost-effective environmental solutions. In addition to CAPs, Pyramid has developed RCRA Closure and Post-Closure Plans, site assessment work plans, and operation and maintenance plans.

## Waste Management Services

### Feasibility Studies

Prior to deciding on the most appropriate site remediation method, Pyramid may recommend feasibility testing to provide information needed to design the most cost effective recovery and treatment system. Our feasibility studies provide site-specific conditions for the appropriate media (soil, groundwater, etc...) to allow the selection of the most appropriate remediation for the site. Other factors such as the risk to potential receptors, migration pathways, and other site condition are taken into consideration. Safety precautions are taken to insure the safety of the public, client, and Pyramid personnel. Wastes derived from field- testing are handled carefully and disposed at licensed disposal facilities.

Pyramid's technical staff has the experience and qualifications to assess the technical feasibility of established and innovative technologies, so that the best solution is selected to fulfill your needs.

### Waste Minimization

Waste minimization can decrease operating costs and minimize long-term liability. In order to minimize the generation of a waste, Pyramid can assess generation methods and evaluate potential process modifications. Our personnel have the chemical process and environmental backgrounds required providing accurate disposal, treatment, and minimization recommendations and implementation.

## Remediation Services

Pyramid provides a broad range of environmental field services to meet client needs.

- ◆ Spill Containment and Cleanup
- ◆ Soil Excavation, Disposal, and Backfilling
- ◆ Soil and Groundwater Sampling and Analysis
- ◆ Waste Characterization, Transportation, and Disposal of Waste Drums
- ◆ Underground Storage Tank Removals and Closure Assessments
- ◆ Feasibility Testing for Corrective Action Planning
- ◆ Design, Construction, and Closure of Soil Remediation Biopile for Hydrocarbons
- ◆ Air Quality Testing and Evaluation
- ◆ Soil Vapor Extraction (SVE) System Installation and Operation
- ◆ Groundwater Pump & Treat System Installation and Operation
- ◆ Air Sparging System Installation, Operation, and Maintenance.

### **Geologic, Hydrogeologic, and Site Investigations**

Pyramid provides consulting services that feature the expertise and equipment to provide complete geologic and hydrogeologic investigations. These services, including installation of soil borings, piezometers, and monitoring and recovery wells, can be performed at significant savings to our clients. Highly trained personnel provide accurate interpretation of data gathered from drilling and through soil analysis, groundwater analysis, permeability testing, drawdown tests, and other in situ testing of subsurface conditions.

Our investigative services are not only limited to soil and groundwater. Pyramid also performs facility investigations that evaluate a wide range of potential sources of contamination, including air emissions, industrial and stormwater discharges, and surface runoff. We can develop an efficient sampling program to ensure that maximum information is attained at minimal expense.

### **Regulatory Closure Requests**

The past four years have seen changes in environmental regulations that have supported “risk-based” analysis and closure of low priority sites. Pyramid works hard for our clients to provide assessment information that will support a closure request. The regulatory climate is currently favorable to pursue site closures from the DENR in North Carolina, and in other states as well.



## Geophysical Services

Pyramid Geophysical Services offers a full line of geophysical capabilities to our clients. We have experience in a wide variety of geographical areas and projects, including hazardous waste sites, underground storage tanks, landfills, groundwater studies, and geotechnical investigations. We design geophysical surveys that meet the client's needs in the most efficient and cost effective manner possible.

Our typical approach incorporates a multi-phase geophysical reconnaissance technique specifically designed to provide the most accurate site information possible while taking into account both the capabilities and limitations of the various geophysical methods we offer.

Pyramid prides itself on quality surveys. We make every effort to assure integrity of field data, including frequent quality assurance analyses during acquisition.

### *Situations Where Geophysical Techniques are used:*

- Landfill delineation and characterization
- Characterization and depth to bedrock, permeable pathways for groundwater flow
- Investigation of boring sites for interferences; soil, gas probe sites for interferences
- Location of USTs, landfills, abandoned wells, utilities, rebar, cables, drums and voids
- Water supply investigations, hydrogeologic site characterization, and groundwater quality mapping

### Geophysical Techniques:

[Electromagnetic Induction and Magnetometry](#)

[Ground Penetrating Radar \(GPR\)](#)

[Multi-Electrode Electrical Resistivity \(MER\)](#)

[Seismic Refraction and Multi-Channel Analysis of Surface Waves \(MASW\)](#)

## Staffing Capabilities and Subcontract Management

Pyramid has a staff of fourteen that includes engineers, geologists and hydrologists; environmental scientists and technicians; as well as administrative staff. Because many of our current contracts involve the execution of multiple, concurrent task orders, we encourage and promote cross-training between disciplines to allow cost-effective environmental project implementation. To facilitate the addition of qualified personnel as our workload increases, Pyramid uses employee referrals, print and Internet advertising, professional associations, and educational institutions to recruit qualified personnel. Our corporate retention program includes conducting annual performance reviews; health, life, and disability insurance benefits; a Simplified IRS retirement savings plan; training incentives; paid vacation; and bonus plans.

The cornerstone of any project is the assignment of an experienced Program Manager supported by an experienced technical and management support group. We will draw upon our most experienced managers and technical staff for assignment to projects. The Pyramid technical, professional, and field personnel will be chosen based on the specific project needs to ensure that the right skills are available for each assignment. Once assigned to a project, these individuals will remain on the project to ensure that continuity is maintained for those tasks for which they are responsible.

Our organizational structure is streamlined to provide efficient and effective response to meet client needs. The Program/Contract Manager is the primary point-of-contact. He has direct and immediate access and control of a large bank of resources focused on fulfilling project goals.

Pyramid uses pre-bid and pre-work meetings with subcontractors to state expectations clearly and to inform subcontractors of training requirements, job-specific submittals, stop-work procedures, and liquidated damages. Our project managers provide direct oversight of subcontractors to ensure compliance with all health and safety and quality assurance requirements. Pyramid has developed:

- ◆ A proven system for retaining, maintaining, managing, and supporting personnel, equipment, and material resources.
- ◆ A tested subcontracting plan that ensures adequate resources, minimizes costs and risks, and maximizes opportunities for small disadvantaged businesses.

Subcontractor management consists of four key elements all designed to minimize cost to the client. By pre-qualifying subcontractors and vendors, we reduce administrative costs associated with subcontractor, material and equipment acquisitions. Our use of standard subcontractor agreements, complete with flow-down clauses, minimizes the risks associated with poor performance and related management costs.

Pyramid's in-house vendor qualifications program is the first step a potential subcontractor must meet. This vendor approval group evaluates their qualifications, references, insurance, and litigation status prior to approval. Based on their performance with Pyramid, they remain or are eliminated from our approved vendor list.

With many firms, the subcontractor is called upon at the last minute to accomplish an assigned task after the project has started and is in full swing. We believe that involving subcontractors in the work plan and progress meetings provides them with an understanding of specific project goals and results in better scheduling and performance.

Pyramid contractually obligates schedule, cost, and QA adherence. Failure to meet schedules, poor performance, etc. can result in removal from the Pyramid approved vendor list.

As the prime contractor, Pyramid Environmental is responsible for the contract and therefore monitors and reviews subcontractors as needed. A subcontractor's invoice is approved only after their work has been inspected, reviewed, and accepted as complete and in accordance with project requirements by Pyramid.

## Quality Assurance & Quality Control

Pyramid has developed and instituted a system of policies and procedures designed to provide consistent data quality. This Quality Assurance program, specific quality control procedures, and all standard operating procedures are available to field personnel. All employees in the technical area must demonstrate a working knowledge of these procedures prior to reporting analytical data.

Specific actions are taken by field personnel to verify field data quality. All quality control data is reviewed by the QA Officer prior to being released to clients. Field operations and testing procedures are developed through documented standards of ASTM. Pyramid Environmental is an active and voting member of Committee E-50 on Environmental Assessments, and has been closely involved with the development of Standard E.50.02.2 for the Phase I ESA process.

**Trip Blanks** are used to verify that the sample containers are not impacted during shipping, and verify that the source of the glassware is not the source of contamination. The Trip Blanks are preserved de-ionized water, collected in the laboratory, and shipped with the sample containers to the site. The trip blank remains in the cooler and is shipped back to the laboratory with the environmental samples. The Trip Blank is usually analyzed for volatile organics, which correspond to the target analyses.

**Field Blanks** are quality assurance samples which are collected in the field to represent the conditions present at the time the samples are collected. For water samples, the laboratory containers are opened and filled in the field using de-ionized (or distilled) water from a known source. The samples then travel to the laboratory with the other samples for analysis.

**Equipment Blanks** are used to verify whether the decontamination procedures used were effective in removing the contaminants from the sampling device. If a non-disposable sampling device is used (such as a sampling treir, scoop, hand auger, Teflon bailer, etc., then the decontamination of the sampling device is usually verified using an equipment blank. The equipment blank is collected using deionized (or distilled) water from a known source. The equipment is cleaned, allowed to dry, and the water is poured over or through the equipment, and collected in the appropriate sample containers. The equipment blank samples are preserved with the other environmental samples, and shipped for analyses for the target parameters.

**Duplicate Samples** are used to verify the sampling procedures and laboratory analysis variability. The duplicate samples are collected and sent to the laboratory as a blind sample to have maximum effectiveness. Samples are generally analyzed for all analytical methods for comparison with the actual environmental sample.

## Chemical Quality Management Program

Many of Pyramid's projects generate data, including sample location and results of sample analyses and data reviews. Important records regarding the collection and analyses of the samples and data will also be generated. The data management process requires the proper flow of data from field collection and processing by the analytical laboratory to those involved in the project evaluation and decision-making.

The data management system tracks, organizes, reports and archives data and information. The data management system has four main components

- ◆ A multi-disciplinary team of data management professionals.
- ◆ A process of data review through use of data validation procedures and worksheets that integrates activities relevant to ensuring that data are complete, consistent, and fully qualified, and minimizes the uncertainties associated with data, data products, or interpretation of results.
- ◆ Guidance provided in the data validation procedures and worksheets from United States E.P.A. Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods SW-846.
- ◆ A standardized data base structure to support the collection, management, analysis, and, presentation of site characterization.

The analytical laboratory submits the results of chemical evaluation to the Pyramid Environmental Laboratory Coordinator. Results, including quality assurance/quality control information applicable to the analytical laboratory method used for analysis, are included. The Pyramid Environmental Laboratory Coordinator reviews all submitted information for completeness and any data quality issues prior to releasing the information to be included in project management documentation and reports. Copies of all Quality Assurance/Quality Control information are included as part of all report documents and kept on file.

## GSA Contract Services

Pyramid Environmental currently holds contract GS-10F-0403N with the U.S. General Services Administration.



Our original contract began in 2003 and is currently in its first renewal.

Pyramid is currently authorized for Remediation (SIN 899-8) and Environment Planning Service (SIN 899-1)

**Applicable Services include:**

- Phase I and Phase II Site Assessments
- Surface Geophysical Surveys
- Lead and Asbestos Investigations
- Spill Containment and Cleanup
- Soil Excavation, Disposal, and Backfilling
- Soil and Groundwater Sampling and Analysis
- Geophysical Mapping of Contaminants and Buried Waste/Debris
- Waste Characterization, Transportation, and Disposal of Waste Drums
- Underground Storage Tank Removals and Closure Assessments
- Feasibility Testing for Corrective Action Planning
- Construction of Groundwater Recovery Trenches
- Design, Construction, and Closure of Soil Remediation Biopile for Hydrocarbons
- Air Quality Testing and Evaluation
- Soil Vapor Extraction (SVE) System Installation and Operation
- Groundwater Pump & Treat System Installation and Operation
- Air Sparging System Installation, Operation, and Maintenance

## Health and Safety

### Health and Safety Plan

Pyramid has established a Health and Safety Program to protect employees involved in handling hazardous materials or working in potentially hazardous environments. Health and safety policies are designed according to the latest guidelines required by the U.S. Department of Labor, Occupational Safety and Health Administration pursuant to 29 CFR § 1910.120, Hazardous Waste Operations and Emergency Response.

For each applicable project, a site-specific Health a Safety Plan (HASP) is prepared. Pyramid provides training in the use of protective equipment, respiratory protection, materials properties, fire prevention, instrumentation, risk assessment, toxicology, decontamination, and hazard identification, and management. Specifically trained professionals direct complex field operations when required. Pyramid prepares contingency plans and standard operating procedures for site-specific operations. The following are the elements of Pyramid's Health and Safety Program:

#### ***Health and Safety Philosophy:***

Medical Monitoring - Training - Risk Analysis - Air Monitoring  
Personnel Protective Equipment - Substance and Alcohol Abuse Testing  
Incident Investigation - Medical and First Aid - Emergency Response Action Plan  
Fire Prevention and Control - Decontamination.

### Health and Safety Training

Pyramid Environmental has a Health and Safety training program for all employees. Aspects of this program include a once-per-year 8-hour refresher of the U.S. Department of Labor, Occupational Safety and Health Administration 29 CFR § 1910.120, Hazardous Waste Operations and Emergency Response 40 hour training.

In addition to this training Pyramid provides regular training in Red Cross First Aid and CPR. Certifications for all field employees are maintained in personnel files and updated regularly (minimum of yearly).

Pyramid also has a weekly health and safety meeting during which all aspects of the health and safety program are discussed, and specific training for general circumstances or specific projects is provided. On-site training is an integral part of health and safety plans, and each employee involved in field activities is given health and safety training specifically designed for the project. This training is documented at the time of implementation and recorded as part of the project and corporate health and safety records.

## Equipment

### Pyramid-Owned Environmental Equipment

- |   |                                      |
|---|--------------------------------------|
| (3) Flame Ionization Equip. (Foxboro OVA 128) | (1) Photoionization detectors (PIDs) |
| (4) Slope Indicator Water Level Indicators    | (1) Grundfos Pump and Controller     |
| (5) Standard Pick-up Trucks/Field vehicles    | (2) Dissolved Oxygen Meters          |
| (2) pH, Conductivity, Temperature, and ORP    | (2) 4 Wheel Drive Field Vehicles     |
| (1) SVE Test Equipment                        | (1) Air Sparge Test Equipment        |
| (2) Horiba U-22 (pH/Cond./ORP/Temp/Turb)      | (2) GeoPump 2 – Peristaltic Pump     |
| (3) Mini-typhoon (12 volt submersible pump)   | (7) Stainless Steel Hand Augers      |
| (1) Eagle LEL                                 | (1) Gastech LEL                      |

### Pyramid-Owned and Accessible Geophysical Equipment

EM-61 and EM-31 (Geonics)

GPR System (GSSI) – SIR 2000 with 270 MHz and 400 MHz antennae

Seismic equipment (Geometrics) – MASW and refraction seismic equipment and software

Multi-Electrode Electrical Resistivity (AGI) – Multielectrode system with SuperSting

Pyramid can provide rental equipment to meet any need.





## Landfill - Long Term Monitoring (LTM) Project

**Dates: 2003-2007**

The project started in 2003 with approval of the Health & Safety Plan, SAP by the Army Corps of Engineers (USACE), the initial groundwater and surface water sampling was completed and reported. The sampling for the LTM project continued every nine months with sampling and reporting completed by Pyramid. Mr. Jones supervised a team of six environmental samplers during preparation for and completion of the fieldwork for the initial groundwater and surface water sampling event. The LTM program at the landfill included health & safety, gauging and well development, slow-purge sampling of selected monitoring wells, surface water sampling with a Kemmerer Sampler, and detailed notes and photographs of all aspects of the project. The work was completed within the required time and budget constraints, and provided essential data to the USACE for management of the Landfill project. Mr. Jones reviewed the final version of the LTM reports and was the professional signatory. The project was successful in providing excellent environmental data in compliance with all requirements of the USACE, Savannah District, and meeting all QA/QC requirements for the project.



## US Coast Guard Contaminant Analysis

### Project Completed: 2011

Pyramid was contracted by the US Coast Guard to resolve an urgent soil sampling project for the USCG as required by the NC DENR. During renovations of a critical engine test cell, the contractor encountered JP-5 Fuel contaminated soils which halted the project. The work stoppage (due to contamination) was causing the USCG to pay damages to the contractor until the situation was resolved.

Within days of the incident, Pyramid's team completed the following scope of work:

- Preparation of a Health & Safety Plan
- Preparation of Sampling and Analysis Plan
- Negotiations with the DENR Washington Regional Office
- Field evaluation of JP-5 release - Field Screening for VOCs
- Sampling and preservation to complete the IAAR requirements

Based on the soil analytics, the soil remediation completed by the USCG personnel was successful in removing the worst of the JP-5 contamination. Based on Pyramid's quick response, the work stoppage was resolved and the contractor was able to immediately return to work on the project. This limited the damages the USCG was paying to the contractor.



## North Carolina Department of Transportation (NCDOT) Geotechnical and Geo-Environmental Support

### 2011 - Present

Pyramid was awarded a contract with the NCDOT for a period of at least 2 years to provide geotechnical and geo-environmental support to their geotechnical engineering unit at project sites throughout the state of North Carolina. Our primary role has been to provide geophysical mapping/survey services as well as environmental drilling and sampling services for right of way construction projects. Specific services have included:

- Geophysical mapping to locate unknown Underground Storage Tanks (USTs)
  - Metal Detection
  - Ground Penetrating Radar
  - Conductivity/Resistivity
- Geoprobe drilling to collect soil samples for contaminant analysis
- Monitor well installation and sampling for groundwater analysis
- AutoCAD and Microstation CADD design work
- Recommendations for contaminated soil/groundwater treatment, removal, and disposal.
- Act as a general advisor to the NCDOT regarding geophysical and environmental issues for geo-environmental projects





## Site Assessment & Remediation for Federal Trust Fund Projects

### 2009-Present

The Division of Waste Management (DWM), Underground Storage Tank (UST) Section of the North Carolina Department of Environment and Natural Resources (NCDENR) requires general environmental service providers to support and/or conduct assessment and remediation activities at leaking underground storage tank (LUST) sites in the Federal and State-Lead programs throughout the State of North Carolina. Pyramid Environmental was awarded a 3 year contract to perform these services for NCDENR based on our professional qualifications and long-standing relationship with the state of North Carolina. The majority of these Federal Trust Fund projects (funded through the American Recovery and Reinvestment Act (ARRA) included the following work items:

- Background data collection, supply well and water line surveys, and preliminary site visits.
- Possible emergency response actions at sites
- Arrangement, scheduling, and oversight of initial remedial activities
- Various hydrogeologic assessment activities at sites
- Arrangement, scheduling, and oversight of various alternate water supply systems
- Preparation and implementation of site-specific Corrective Action Plans, including evaluation of various remedial alternatives and an assessment of the technical feasibility and cost-effectiveness of preferred alternatives; development of design drawings and bid documents for remedial systems
- Management and oversight of subcontractors and vendors
- Preparation of all required permit applications for the construction and operation of various remedial systems
- Oversight of the design and implementation of various strategies for provision of long-term alternate water supplies



## Federal Environmental Work: The National Parks Service

**Dates: Ongoing**

Pyramid has been selected by the National Parks Service to act as their environmental expert on a wide range of jobs throughout the eastern United States over the past decade. Some of these locations include

- Historic Lincoln Train Station, Gettysburg, PA
- Gettysburg National Military Park, Gettysburg, PA
- Richmond National Battlefield Park, Henrico County, VA
- Fort Monroe National Monument, Hampton VA

Our work with the NPS has been a collaborative effort to provide the government with expert analysis and advice regarding environmental issues, and to perform accurate and cost-effective environmental site assessments to determine the potential for soil and groundwater contamination in areas that contain national

## Douglas Canavello, President/Founder

### Background.

As President of Pyramid Environmental, Mr. Canavello oversees all aspects of company performance, including finances, marketing, and operations. He is the principal employee involved in assessment and analysis of economic benefits and alternatives relating to client environmental issues. With more than 22 years of experience in hydrogeological, geological, and environmental investigations, Mr. Canavello's experience includes management, design, and implementation of hydrogeological, geochemical, and geophysical investigations, as well as the design and implementation of soil and groundwater remediation projects. Having experience in performing over 60 Phase I Environmental Site Assessments (ESA), he is also a member of the ASTM Committee E-50 on Environmental Site Assessment and has played an active role in the development of Standard E.1527.



### Degrees and Certifications.

MBA, Finance, Tulane University  
M.S., Geology, North Carolina State University  
B.S., Geology, Duke University

Professional Geologist in NC - No. 1066  
Years of Experience – 22 years



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As you prepare for your new projects, we hope you will consider us as a teammate that can work with you and your staff to complete environmental investigations. Since 1990, we have been providing our clients with a wide variety of environmental services to assist with due diligence (Phase I and II site assessments), soil/groundwater contamination issues, geophysical surveys, underground storage tank management, air permitting, water supply/shortage, site selection, and emergency response.

As a professional, licensed engineering and geological firm Pyramid has the expertise to research and analyze relevant environmental regulations, potential hazards, clean-up alternatives and environmental protection issues to design and implement solutions for environmental problems. Our GSA schedule allows us to participate in a variety of federal contracts, and our network of consultants, city, county, and state regulators enables us to provide our clients with a multitude of resources to meet their needs.

Should you have any questions, or should you come across a project where you feel an experienced environmental professional would be advantageous, please think of Pyramid. We are here to provide you with the best approach implemented by some of the most qualified geologists and environmental scientists in the region. Thank you very much.

A handwritten signature in black ink that reads "Doug Canavello". The signature is fluid and cursive, with the first name "Doug" being more prominent than the last name "Canavello".

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A handwritten signature in black ink that reads "Eric Cross". The signature is fluid and cursive, with the first name "Eric" being more prominent than the last name "Cross".

Eric Cross, P.G.  
Geophysicist  
[eric@pyramidenvironmental.com](mailto:eric@pyramidenvironmental.com)  
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# Pyramid Environmental & Engineering, PC

**Douglas Canavello**  
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