



STATEMENT OF QUALIFICATIONS

CONSULTANTS - GEOLOGISTS – SCIENTISTS

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1.0 COMPANY PROFILE

Phoenix Environmental, LLC (Phoenix) is a full-service environmental consultancy performing real estate due diligence, environmental site assessments, remediation, and brownfield services. Our firm has a reputation of successfully solving our clients' environmental problems. We do this by understanding our clients' goals, the regulatory framework they are under and by taking a collaborative approach to each project.

Phoenix is a limited liability company registered in the State of Ohio (Document ID 201236601487). Phoenix maintains a Bureau of Workers Compensation (BWC) policy (policy number 1712154), a Business Continuity Plan and Insurance Policy, and the requisite automobile insurance coverage. We maintain General, Contractor, Professional Services and Pollution Liability insurance with a minimum of \$1,000,000 of coverage. Insurance coverage amounts can easily be increased to meet specific client/project requirements. A copy of our Proof of Insurance certificate is included in **Appendix A**.

Our business model is notably different than many environmental firms. Phoenix does not have a large, full time staff. Instead, Phoenix' staff consists of a national network of Professional Associates (PAs). This flexible workforce gives Phoenix the ability to "staff-up and staff-down" without carrying the "client-shouldered" costs of larger firms. Our PA's widespread geographic distribution provides significantly lower travel costs and exceptional state-to-state technical knowledge. State specific knowledge is critical for Phase II's Environmental Site Assessments, site remediation activities, storage tank closures, asbestos surveys and abatement, and other complex projects.

A map of our national network of PA's is provided below:



We understand that when it comes to environmental consulting services, experience matters most. The average experience level of our professional associates is 19 years.

Phoenix's services include:

Real Estate Due Diligence Services

- Phase I Environmental Site Assessments
- Phase II Environmental Site Assessments (i.e., Drilling/Sampling)
- Indoor Quality Assessments (Air, Mold, Moisture, and Hazardous Materials)
- Property Condition Assessments

Investigation and Remedial Services

- Asbestos, Lead-Based Paint Investigations
- CERCLA / RCRA Subsurface Investigations
- Hazardous Waste/Orphan Drum Characterization
- Indoor Air Quality Testing (Asbestos, Lead, Radon and Mold)
- Soil, Groundwater and Vapor Intrusion Remediation
- Voluntary Action Program (VAP)/Brownfield Services
- Hydrogeologic Assessments

Industrial Hygiene and Compliance Services

- Noise Assessments
- Air Sampling
- Wastewater Compliance
- Stormwater Pollution Prevention Plans
- Toxic Release Inventory (TRI)/Form R Reporting
- Environmental Audits
- NEPA

Storage Tank Services

- Aboveground and Underground Storage Tank (UST) Installation and Removal
- Interim Response Action (IRA)/Remedial Action Plans (RAP)
- Tier 1 and Tier 2 Assessments

Training

- Asbestos Awareness
- HAZCOM 2012
- Globally Harmonized System of Classification of Hazardous Materials
- HAZMAT DOT Awareness

The following section provides additional information on many of the services we provide.

1.1 Real Estate Due Diligence Services

Phoenix's associates have performed hundreds of environmental assessments on a variety of commercial and industrial properties. We understand lending institution requirements and environmental regulations associated with each phase of property assessment. Our holistic understanding allows us to determine if a potential environmental concern is a true concern for our client's business.

Phase I Environmental Site Assessments (ESAs) are typically performed prior to the closing of real-estate transactions. They are the standard way to determine if current or historic activities may have negatively impacted a property. Phoenix personnel have performed numerous Phase I ESAs of industrial, commercial and residential properties undergoing transaction, financing, expansion or similar business circumstance. Phoenix understands that each situation is unique; therefore, we tailor our assessments to meet the needs of each client. The typical format of our Phase I ESA report follows the industry standard (ASTM E1527-13); however, client specific approaches that meet the particular guidelines of a lender or government agency may also be prepared. Phoenix personnel have experience identifying Business Environmental Risks (BERs), such as:

- Radon,
- Lead in Drinking Water,
- Environmental Regulatory Compliance,
- High-Voltage Powerlines,
- Cultural, Historic, and Archeological Resources,
- Wetlands and Surface Waters,
- Threatened, Endangered, and Other Protected Species,
- Wildlife Sanctuaries and Other Natural Resource Preserves,
- Biological Agents,
- Mold, and
- Potential Impacts/Implications of Environmental Issues for Site Development and Construction.

Phase II ESAs commonly involve sampling soils, sediments, groundwater, surface water and/or building materials to see if hazardous chemicals are present above State or



Federal applicable standards. Phoenix is experienced at investigating a wide range of property uses and chemicals of concern. During a Phase II ESA, Phoenix personnel evaluate sample results and compare them with applicable standards. When an environmental concern is identified, we provide cost-effective recommendations to address the concern and bring the site to closure. Phoenix' staff are experienced using a variety of investigative techniques and drilling methods.

Property Condition Assessments (PCAs) are conducted on improved commercial properties, providing detailed descriptions of the property improvements, cost estimates for immediate repairs and deferred maintenance items, schedules for projected maintenance items, and preventative maintenance advice. PCAs provide extensive documentation of the property condition, providing a basis for equitable resolution of repair items, as well as projected annual reserves.

1.2 Investigation and Remedial Services

Phoenix understands the myriad of environmental conditions that require further investigation and remediation. These additional activities may be caused by City, State or Federal requirements, a potential public relations concern or pending litigation.

Site Remediation involves cleaning up hazardous chemical impacts. Remedial technologies must be consistent with State and Federal regulations, meet the project objectives and, most importantly, be economically feasible. Phoenix' staff are experienced with numerous remediation design strategies including, but not limited to, excavation and off-site treatment/disposal, chemical injection, slurry wall construction, hydraulic control, soil vapor



extraction, air-sparging, thermal oxidation, bio-venting, phytoremediation, bio-remediation and solidification.



Asbestos, Lead Based Paint and Hazardous Waste Investigations are material-specific services required for renovation and demolition projects. These inspections mitigate the exposure risk to workers and residents by identifying hazardous building materials prior to their disturbance. Phoenix personnel have conducted hundreds of these assessments on properties ranging from single-family dwellings to over 1,000,000 square foot buildings.

Indoor Air Quality Assessments, Phoenix has assisted clients with a variety of indoor environmental quality evaluations in all types of buildings and occupational settings. Phoenix utilizes the latest sampling and analytical equipment to determine if contaminants that cause indoor air and environmental quality (IEQ) issues including carbon monoxide, volatile organic compounds (VOCs), formaldehyde, fungal spores and particulates are present at levels that can cause problems for inhabitants.

Brownfield Services: Transitioning Brownfield properties to beneficial re-use--and reduced client liability--is another area of Phoenix' expertise. We have assisted clients with obtaining No Further Action (NFA) status and Covenants Not to Sue (CNS) in multiple states.



Additionally, we have aided clients with locating financial redevelopment sources. Grants, cost-recovery programs, low-interest loans, tax increment financing and other financial options for brownfield properties may be available for your project through a

variety of sources depending on your projects' job-creation/retention metrics. Phoenix provides assistance locating financial resources free-of -charge.

1.3 Storage Tank Services

Phoenix has extensive experience with storage tank closures, site investigations and corrective actions. Regulatory requirements for underground storage tank closures (UST) vary from state to state.

Phoenix personnel have assisted clients with all aspects of a tank removal project, managing contractor activities, and regulatory agency interaction. Many UST projects are eligible for reimbursement by individual state UST compensation boards. We understand the requirements for reimbursement and can assist clients with obtaining the maximum return. Copies of Phoenix personnel's No Further Action (NFA) letters for numerous sites are included in **Appendix B**.



1.4 Technical Proficiency

Phoenix's responsive and reliable service is tailored to meet and exceed our client's expectations. Our satisfied client base includes law firms, real-estate developers, lending agencies, architects, engineers and industrial corporations. The technical proficiency of our staff is our greatest asset.

Phoenix's staff and associate professionals include:

- Registered Professional Geologists,
- Certified Professionals,
- Registered Brownfield Professionals,
- Registered Professional Geologists,
- Certified Hazardous Materials Managers,
- Industrial Hygienists,
- Wastewater Operators,
- Principal investigators, and
- Environmental Professionals.

1.5 Key Personnel

Phoenix Environmental's key personnel include:

- **Jeffrey L. Paetz**, PG, VAP-CP, AHES, RBP, EP, President, Senior Geologist
 - Services: Phase I ESAs, Phase II ESAs, USTs, Remediation, Asbestos, Mold
 - Experience: 18 years
- **David Zappa**, PE, EP, Senior Project Engineer
 - Services: Phase I ESAs, Phase II ESAs, USTs, Remediation
 - Experience: 21 years
- **Kurt Winters**, EP, Senior Environmental Professional
 - Services: Phase I ESAs
 - Experience: 27 years
- **Paul Graham**, Principal Investigator
 - Services: NEPA, Archeology & Historic Preservation
 - Experience: 37 years
- **Bart Compton**, LPG, EP, Senior Geologist
 - Asbestos, Phase I ESAs, Phase II ESAs, USTs, Remediation
 - Experience: 25 years
- **Erin Woodward**, Environmental Scientist
 - Assistance with Phase I ESAs, Phase II ESAs, Asbestos, USTs
 - Experience: 2 years

Resumes of key personnel are included in **Appendix C**.

1.6 Health and Safety

Phoenix Environmental has developed an internal health and safety program to maintain and enhance a "safety first" culture. A site specific health and safety plan is developed prior to the start of a project. Each work day before a project begins, the onsite health and safety officer conducts a safety orientation. The day's specific safety hazards and solutions are discussed. Starting the day with safety helps to reinforce a safety mindset among all employees and subcontractors. Phoenix employees and project associates involved in hazardous waste operations are 40 hour HAZWOPER trained with the appropriate 8 hour annual refresher.

2.0 PROJECT PROFILES

Former Crowell-Colliers Printing Facility Phase I Environmental Site Assessment and Universal Waste Survey Springfield, Ohio

**PROBLEM:**

In 2014, the City of Springfield ordered the former Crowell-Colliers printing building to be demolished. The property, which comprises 917,000 square feet of building space, covers an entire city block and is the single largest structure in Springfield, Ohio. Industrial printing activities were conducted onsite for over 60 years. In 1937, the Crowell-Collier facility was the largest magazine printing facility in the world. At that time, its 122 presses printed approximately 22 billion pages, consumed 160 million pounds of paper and drank 3.5 million pounds of ink per year.

SOLUTION:

Phoenix Environmental was retained by Mosier Industrial Services (the property owner) to conduct an ASTM E1527-13 compliant Phase I Environmental Site Assessment (ESA) and a hazardous waste survey. The purpose of this assessment and survey was to be able to apply for a \$500,000 asbestos abatement grant and potential grant/loan funds for assessment and remediation.

RESULT:

At the conclusion of our evaluations, Phoenix identified several on-site and off-site recognized environmental conditions (RECs) that had the potential to impact the property. These included:

- The historic industrial use of onsite printing activities from 1879 to 1958--due to the historic use of inks, solvents, lead and other chemicals of concern.
- A gas station on the northwestern portion of the site from 1919 to 1927--due to the historic use of petroleum products and a lack of information regarding removal of the underground storage tanks (USTs).
- Historic chemical storage by the former owner--due to the quantities and types of materials (i.e., acids, drums of solvent-based paint, pesticide materials, batteries, PCBs, etc.).
- Staining on the floor beneath several onsite transformers – due to potential PCB oils.
- And the historical presence of numerous gas stations and dry cleaners on the adjoining properties – due to the potential for contamination from solvents and petroleum products.

At the request of the client, Phoenix provided a Phase II proposal to address the on-property and off-property RECs. We are currently working to determine what financial assistance may be available for this site.

Phoenix has assisted Mosier Industrial Services (Mosier) with due diligence investigations on other properties. Additionally, thanks to Mosier's recommendation, Phoenix has been engaged to assist another client in Springfield interested in purchasing a printing facility.

**Former Automotive Component Manufacturing Plant
Phase I Environmental Site Assessment, Geophysical and Phase II ESA
Western Tennessee**

**PROBLEM:**

This brownfield property, which was vacant for seven years, consisted of 84 acres of land, a 500,000-square-foot industrial building and was previously used as an automotive part manufacturing plant. Based on prior environmental reports, numerous environmental concerns were present which were complicating its sale. These included a 250,000-gallon diesel storage tank, a 10,000-gallon solvent wastewater tank, numerous hydraulic pits and reports of spills and cleanups throughout its 30-year operation. The buyer wanted a high level of confidence the property was unaffected by environmental issues.

SOLUTION:

Phoenix was engaged to conduct a Phase I ESA, geophysical survey and Phase II ESA of the property. Our review of prior reports indicated numerous recognized environmental conditions (RECs) in connection with the site. These were identified in a 2004 Phase I ESA, but were not called out as RECs in the 2014 Phase I ESA completed for the previous buyer. Phoenix recommended addressing these RECs with a Phase II ESA and a geophysical survey.

Due to the number of RECs and the predicted cost to investigate using standard investigative techniques, Phoenix suggested using passive soil gas sampling techniques as a way to rapidly evaluate the environmental issues. Passive gas sampling was to be followed up by installing 20 soil borings to assess any "hot spots." During the Phase II ESA, Phoenix personnel coordinated and oversaw the activities of a geophysical

subcontractor during its electromagnetic (EM)/ ground penetrating radar (GPR) survey; supervised personnel during their installation of 69 BEACON® Passive Soil-Gas (PSG) Samplers at the site; supervised the activities of a drilling subcontractor; interpreted the laboratory chemical analysis results by comparing them to applicable Tennessee Department of Environment and Conservation (TDEC) guidelines; and prepared Phase I and Phase II ESA reports. At the request of the client, our reports were issued in draft form. The client indicated its risk tolerance for this site was extremely low. After discussing risks and potential liabilities with the client, Phoenix finalized the reports.

RESULT:

Passive gas sampling identified several areas on the site where impacts were present. These impacts were limited in nature and did not appear to be migrating offsite or to pose a CERCLA (aka, "Superfund") concern. Due to the client's low risk tolerance, it requested we take a conservative approach to the impacts. Phoenix, therefore, recommended additional assessment to quantify impacts in soil, soil-gas and groundwater.

Phoenix' recommendation to use passive soil gas sampling allowed the client to save \$100,000 and allowed the client to evaluate the property adequately within its due diligence period.

Portfolio Project
Phase I and Phase II Environmental Site Assessments (ESAs)
Northeast Ohio

**PROBLEM:**

Phoenix Environmental was retained to conduct a “short fuse” portfolio project consisting of multiple Phase I Environmental Site Assessments (ESAs) and six Phase II ESAs of oil change facilities. The sites were complicated by the use of a variety of petroleum products, solvents, and numerous aboveground and underground storage tanks. Additionally, the sites, which were undergoing foreclosure, required strict confidentiality by Phoenix personnel throughout the project.

SOLUTION:

Phoenix personnel conducted the Phase I ESAs and identified numerous Recognized Environmental Conditions (RECs) on a portion of the Phase I ESA sites. The purpose of the Phase II ESAs was to determine if impacts were present, evaluate the extent of contamination, determine relevant receptors, contaminant pathways and applicable clean-up requirements. Our services included Ground Penetrating Radar (GPR) surveys, installing soil borings and temporary monitoring wells, and collecting soil and groundwater samples.

RESULT:

Of the sites investigated, only two indicated significant concerns to the client. The results of the Phase II ESAs were used to assess liability and costs associated with clean-up of contamination. The assessments were completed ahead of schedule.

**Shopping Center Property
Pre-Demolition Asbestos Survey
Columbus, Ohio**

**PROBLEM:**

In 2014, the City of Columbus ordered the demolition of this 8,000-square-foot shopping center building. The building, which was built in the 1960s, had been vacant for over twenty years. A portion of the roof had collapsed and the interior was littered with large piles of building debris. An asbestos survey was needed prior to demolition.

SOLUTION:

Phoenix Environmental was retained by Briggs Road Shopping Center to conduct an asbestos containing material (ACM) survey of the building following *Asbestos Hazard Emergency Response Act (AHERA)* protocol. Phoenix personnel collected a total of 64 bulk samples of suspect material from the building.

RESULT:

Our report indicated six different asbestos building materials were present. Phoenix assisted the client with completion of the "Notification of Demolition" form for the Ohio EPA; provided the client numerous firms that could assist with the asbestos abatement; and reviewed the client's asbestos abatement contract for the asbestos abatement firms. The project was completed on time and within the proposed budget. The client was satisfied with our report and follow-up activities.

**Residential Rental Property
Pre-Burn Asbestos Survey
Pataskala, Ohio**



PROBLEM:

A kitchen fire occurred at this residential rental property in Pataskala, Ohio. No one was injured but the house was damaged beyond repair. An asbestos containing material (ACM) survey was needed prior to demolition according to Ohio regulations.

SOLUTION:

Phoenix Environmental was engaged by Route Law to conduct an asbestos survey at the property. A total of 50 bulk samples of suspect materials were collected by Phoenix personnel and were sent to a laboratory for asbestos analysis.

RESULT:

The laboratory results indicated that six different materials contained asbestos in concentrations greater than 1 percent. Since the house was scheduled for demolition by intentional burning, Phoenix advised the client that both the friable and non-friable ACMs needed to be removed. Fortunately, the property owners were able to cover the asbestos survey and abatement costs through their insurance policy. Additionally, they were able to deduct the fire department training costs on their taxes.

**Boeing Strategic Missile Systems Facility
Limited Air Monitoring
Heath, Ohio**



PROBLEM:

Two metals (lead and cadmium) were present in dust within the facility ductwork which was to be replaced. The presence of these metals posed a concern to workers and Boeing employees.

SOLUTION:

Phoenix Environmental was engaged by the contractor (UST Environmental Contractors, Inc.) and Boeing to conduct air monitoring in and adjacent to the work zones during ductwork replacement. Our investigation activities were under the direction of Phoenix's senior industrial hygienist.

RESULT:

Metals were not detected at concentrations exceeding the regulatory standard set by the OSHA PEL (Permissible Exposure Limit) or TWA (8-hour Time Weighted Average). On this basis, the workers and Boeing employees did not appear to be exposed to metals above OSHA standards. Phoenix completed our activities ahead of schedule and to the satisfaction of the client.

**Manufacturing Facility
Mold Assessment
Grove City, Ohio**



PROBLEM:

In 2013, this automotive part manufacturing facility was dealing with the presence of visible water intrusion, potential mold growth, and complaints of allergy-like symptoms by employees after they arrived at the facility.

SOLUTION:

Phoenix Environmental was retained by this industrial manufacturer to conduct a mold assessment in the affected areas. Our field activities included: a visual assessment of non-compliant areas; measuring temperature, relative humidity and surface moisture in the affected areas; sampling for mold using filter cassettes; and collecting bulk surface samples. Phoenix' proposed scope of services, investigation activities and report were conducted under the direction of our senior industrial hygienist.

RESULT:

The total airborne mold spore concentrations and bulk sample results did not indicate significant mold in the areas tested. Our report recommended that the sources of water intrusion be investigated further and mitigated. The client was very satisfied with our assessment – retaining us to assist them on additional projects (air sampling, asbestos survey and noise assessment).

**Retail Gasoline Station
Remedial Action Plan and Tier II
St. Clairsville, Ohio**

**PROBLEM:**

Based on prior investigations by others, a 1998 petroleum release from an underground storage tank system at this facility resulted in subsurface impacts to soil and groundwater. The former owner is addressing the investigation and remediation of the release through Ohio's Petroleum Compensation Board ("Petro Fund").

SOLUTION:

Phoenix was engaged to provide environmental services in support of a Tier II investigation. Our activities included developing a health and safety plan and supervising an enhanced fluid recovery (EFR) event from several onsite monitoring wells. The EFR was conducted over an 8-hour period using a vacuum truck. Additionally, at a later date, we were retained to oversee installations of soil borings and to conduct groundwater sampling.

RESULTS:

Laboratory results indicated the soils were below action-level but groundwater exceeded the calculated Site Specific Target Levels (SSTLs). The client indicated Phoenix would be engaged to assist with follow-up activities which included soil treatment, monitoring well installations and groundwater treatment by chemical injection.

**Former Bob Evans Farms Corporate Office
Underground Storage Tank Closure Assessment
Columbus, Ohio**

**PROBLEM:**

Historically, this site was the corporate headquarters for Bob Evan's Farms. In 1983, four petroleum underground storage tanks (USTs), which were used for fueling and servicing company vehicles, were installed. In 2013, the USTs were no longer in service and their removal was required by Ohio regulations. Additionally, the USTs' presence at the site was complicating the pending sale and property redevelopment.

SOLUTION:

Phoenix Environmental was retained by EMS Onsite to assist the owner with UST system removal and closure activities. Throughout the project, Phoenix personnel were onsite to supervise the contractor, field screen soils for impacts, and advise the owner's representative and the State Fire Marshall of the project activities. After the USTs were removed, Phoenix personnel collected 40 field screening samples and submitted 13 soil samples for laboratory analysis.

RESULT:

Laboratory results for the soil samples indicated no significant petroleum hydrocarbon impacts to soil were present. Phoenix provided a completed report to the client and requested an expedited report review from Ohio's Bureau of Underground Storage Tank Regulations (BUSTR). Six days after receiving our report, BUSTR issued a letter that the

site had achieved No Further Action (NFA) status. A copy of this letter is included in **Appendix B**.

**Woody's Restaurant Property
Wastewater Treatment System Compliance
Malaga, Ohio**

**PROBLEM:**

Shortly after change of ownership, the owners of Woody's Restaurant received a *Notice of Violation* from the Ohio Environmental Protection Agency (EPA). The violation was due to a lack of reporting and sampling of their wastewater treatment system as required by their National Pollution Discharge Elimination System (NPDES) permit. Additionally, the owners discovered that critical components of their wastewater treatment system (microbial and blower units) were not installed by the prior owner.

SOLUTION:

Phoenix Environmental was retained by Kravitz Law Office to assist Woody's Restaurant in achieving compliance with the Ohio EPA. Our scope of services included locating and engaging a Class A Operator to be the Operator of Record for the facility. This individual, under Phoenix's direction, conducted weekly site visits, completed the required *Discharge Monitoring Reports*, and conducted effluent wastewater sampling and system inspections.

Phoenix was also charged with coordinating and overseeing the installation of critical components of the wastewater system, engaging and overseeing an environmental subcontractor to pressure wash, vacuum and dispose of liquids prior to system start-up.

RESULT:

Following completion of our scope of services and successful startup of the wastewater system, Phoenix provided a report to the client and the Ohio EPA. In addition, Phoenix prepared and submitted a Standard Operating Procedure and Operation and Maintenance Plan for the wastewater treatment system.

In September 2014, the facility achieved compliance with the Ohio EPA: <http://web.epa.state.oh.us/dsw/permits/doc/OPR00153.pdf>. Project costs were paid for through litigation of the former owner.

**Industrial Manufacturing Property
Noise Exposure Assessment
Columbus, Ohio**

**PROBLEM:**

This 125,000-square-foot (sf) industrial manufacturing facility needed assistance to determine if noise levels were in compliance with OSHA occupational noise exposure standards.

SOLUTION:

Phoenix Environmental was engaged by the client to conduct a noise exposure assessment. Our activities included: a walk-through of the facility to visually assess building components for noise attenuation engineering controls and to obtain a first-hand perspective with respect to noise levels; sound pressure level (SPL) meter readings of several areas; and personal dosimeter measurements of employees during their work shift.

RESULT:

The noise assessments indicated that the areas assessed were below the OSHA permissible exposure limit of 90 decibels. However, the metal grinding area exceeded 85 decibels and a Hearing Conservation Program (HCP) was needed. Phoenix advised the client that alternatives to the HCP included changes to tools, equipment and worker schedules. Phoenix also recommended that the noise assessment be maintained on file until such time as additional noise exposure assessments are performed and/or for a period not less than two years from the issue date of the report (as required by 29 CFR 1910.95).

3.0 REPRESENTATIVE CLIENTS

CBRE Brokerage - Central Ohio, 280 N. High Street, Seventeenth Floor, Columbus, OH 43215

Contact: Molly Leach, Associate

T: 614.430.5022 | E: molly.leach@cbre.com

- Services provided: *Phase I Environmental Site Assessments (ESAs), Phase II ESAs*

WP Glimcher River Valley Mall, 1635 River Valley Circle S., Lancaster, OH 43130

Contact: Scott James, Operations Director

T: 740.653.0269 | E: scott.james@wpglimcher.com

- Services provided: *Mold Survey*

The Delaware County Bank & Trust Co., 110 Riverbend Avenue Lewis Center, OH 43035

Contact: Roger Lossing, Senior Vice President - Trust & Wealth Management

P: 740.657.7818 | E: RLossing@dcb-t.com

- Services provided: **Phase II ESAs**

City of Marion, Ohio, 233 West Center Street, Marion, OH 43302

Contact: Mr. Jay Shoup, Director of Public Service

T: 740.387.4705 | E: jshoup@marionohio.org

- Services provided: *Ohio VAP Services*

American Freight Furniture, 680 Sunbury Rd., Delaware, OH 43015

Contact: John Roush, Director of Property Management

P: 740.833.5176 | E: jrausch@americanfreight.us

- Services provided: *Phase I Environmental Site Assessments (ESAs)*

Metropolitan Park District, 1069 West Main St., Westerville, OH 43081

Contacts: Carrie Morrow, Steve Studdenmund, Max Albin, John Watts

T: 614.895.6214 | E: morrow@metroparks.net

- Services provided: *Phase I ESAs and Surface Water Quality Monitoring*

Brexton, LLC, 815 Grandview Avenue, Suite 300, Columbus, OH 43215

Contacts: Joseph Beatty, Heather Gilbert

T: 614.441.4110 | E: joseph.beatty@brextonllc.com

- Services provided: *Asbestos Surveys and Phase I ESAs*

Coldwell Banker King Thompson, 405 Colemans Crossing Blvd, Marysville, OH 43040

Contact: Diane Millhoan, Real Estate Agent

P: 740.815.4897 | F: 937.642.9007 | E: diane.millhoan@kingthompson.com

- Services Provided: *Asbestos Inspections*

Anderson & Co. Realtors, 222 S. Broad St., Lancaster, OH 43130

Contact: Jeff Sauer, Realtor

T: 740.689.9090 | E: info@anderson-realtors.com

- Services provided: *Asbestos Inspections*

Mt. Vernon Dental, 206 S. Mulberry St., Mt. Vernon, OH

Contact: Dr. Richard Sprang, DDS

T: 740.392.1871

- Services provided: *Phase II ESA*

Ashfield Estates, 8775 Center Park Dr. #411, Columbia, MD 21045

Contact: Alex Williams

T: 202.256.6981 | sarwilliams4@aol.com

- Services provided: **Phase I ESAs**

KPT Logistics, 300 S. Center Street, Springfield, OH 45506

Contact: Ryan Harris, President

P: 937.925.6096 | E: harris.ryanm@gmail.com

- Services provided: *Phase I ESAs, Phase II ESAs*

American Wire Technologies, 240 Boone Ave., Marion, OH

Contact: Doug Woller, General Manager

P: 740.387.0745 (ext. 201) | dwoller@sislercompanies.com

- Services provided: *Ohio VAP*

Krish Hospitality, LLC, 3637 Winthrop Drive, Lexington, KY 40514
Contact: Tejash Bhavsar
P: 859.351.1060 | E: viraj062006@yahoo.com

- Services provided: *Phase I ESA*

Tonti Organization, 34 North High St # 200, Columbus, OH 43215
Contact: Thomas A. Tonti
T: 614.224.4331 | E: ttonti@tontiorg.com

- Services provided: *Asbestos Surveys and Phase I ESAs*

Mosier Industrial Services Corp, 900 Wiley St., Crestline, OH 44827
Contact: Russell Watts, Carl Carroll
T: (419) 683.4000 | E: rrcsw2@yahoo.com

- Services provided: *Phase I ESAs, Hazardous Building Material Survey*

Delaware County Bank, 110 River Bend Avenue, PO 1001, Lewis Center, OH 43035
Contact: Frank Reinhard
T: 740.657.7000 | E: freinhard@dcb-t.com

- Services provided: *Phase I ESAs*

Machinery & Tool Rentals, Inc., 511 W Town St., Columbus OH 43215
Contact: Steve Forquer
T: 614.228.6725 | E: steveforquer@gmail.com

- Services provided: *BUSTR Tank Closure*

Zappa Engineering, LLC, 1255 North Hamilton Road, #122, Gahanna, OH 43230
Contact: David Zappa, President/Senior Engineer
P: 614.214.9463 | E: david.zappa@zappaengineering.com

- Services Provided: *Phase I ESAs, Remediation Services*

Applied Environmental, 1210 North Maple Road, Ann Arbor, MI 48103
Contact: Jason Vertrees, President
P: 734.975.1970 | F: 734.975.1973 | E: jasonv@appliedenv.com

- Services Provided: *Ohio VAP Services, Phase II ESA Reviews*

Pataskala Enterprises, LLC, 142 Granville St., Columbus, OH 43230

Contact: Jennifer Routte, Attorney

P: 614.475.7008 | F: 614.472.4155 | E: Jen.routte@routtelaw.com

- Services provided: *Asbestos Inspections*

GeoSearch, 3006 Bee Caves Suite A-230, Austin, TX 78746

Contact: Mathew Broadaway, CFM

P: 888.396.0042 | E: matt.broadaway@geo-search.com

- Services Provided: *Phase I ESA File Reviews*

AY Manufacturing, 5200 Crosswind Drive, Columbus OH 43228

Contact: Eric E. York, EHS Engineer

P: 614.853.5120 | C: 614.506.0012 | F: 614.870.4005 | E: eyork@aymfg.com

- Services provided: *Asbestos Inspections, Mold Inspections and Noise Assessments*

AEI, 8600 West Bryn Mawr, Suite 540N, Chicago, IL 60631

Contact: Karla M. Smith, Vice President, Director Midwest Region

P: 773.693.1111 | C: 469.500.4402 | F: 773.693.1110 | E: ksmith@aeiconsultants.com

- Services Provided: *Ohio VAP Services, Phase II ESAs, Air Monitoring*

Sage, 720 W. Arapaho Rd., Richardson, TX 75080

Contact: Gregg Bessire, Senior Project Manager

P: 866.234.5768 Ext. 1331 | F: 972.480.9865 | E: gregg.bessire@sageenvironmental.com

- Services Provided: *Groundwater Sampling*

Forest Run Properties, LLC, 23 County Road 24, Ashley, OH 43003

Contact: Jennifer Weinberg, President

P: 614.581.1585 | E: Jen.weinberg@yahoo.com

- Services Provided: *Asbestos Inspections*

UST, 8374 Lancaster-Newark Rd NE, Baltimore, OH 43105

Contact: Barney Cook, President

P: 740.862.1554 ext. 10 | C: 740.404.1858 | E: bcook@ust-env.com

- Services Provided: *Air Monitoring Services*

Kravitz Law Office, 3492 Snouffer Road, Suite 100, Columbus, OH 43235

Contact: Brett A. Kravitz, Attorney/Owner

P: 614.799.2910 | F: 614.334.5119 | E: bkravitz@kravitz-lawoffice.com

- Services Provided: *Wastewater Compliance*

Emergency Management Specialists, Inc., 4601 Homer Ohio Lane, Groveport, OH 43125

Contact: Matt Clary, Project Manager Construction Services

P: 614.610.4541 | C: 614.488.7826 | F: 614.567.6278 | E: mclary@emsonsite.com

- Services Provided: *Underground Storage Tank (UST) Closure Assessments*

PuroClean Restoration Specialists, 886 Stratford Rd., Delaware, OH 43015

Contact: Drew Kiser

T: 740.369.9500 | E: dkiser@puroclean.com

- Services provided: *Trama Scene Cleanup Confirmation Sampling*

4.0 CLIENT RECOMMENDATIONS

"We were extremely pleased with the job Phoenix performed. The project was completed on time and on budget. We received three quotes for this job, Phoenix blew the competition away with their bid!"

Steve Forquer, Vice President
Machinery & Tool Rentals, Inc.

P: 614.228.6725

E: sforquer@mtr.cc

"Phoenix Environmental is exceptionally good to work with. I hired Phoenix to handle the testing and bidding of the abatement of asbestos in a property that had had a fire. I was handling this matter for a client who needed to make sure that they handled everything just right. Phoenix was timely, answered questions, and extremely knowledgeable. Phoenix made the whole situation much easier to deal with. I intend to work with Phoenix again on the next property."

Jennifer Route, President, Attorney at Law
Route Law

P: 614-475-7008

E: Jen.route@routtelaw.com

"Phoenix was great at getting a RUSH ACM report done with no notice. Very responsive also! Thanks!"

Heather Gilbert, Project Manager
Brexton

P: 614-721-9057

E: Heather.Gilbert@brextonllc.com

"I greatly appreciate the partnership with Jeff to create a comprehensive approach to effectively managing environmental risks at managed properties. The relationship extended way beyond the typical client-vendor relationship. It was a true partnership whereby we worked together to create a holistic approach to the issue including training and resources to be used by the property managers to more effectively manage this risk."

Larry Schwenker, CPM, RPA, CCIM
Casto Communities - Vice President Commercial Property Management

P: 201-308-9888

E: lschwenker@corvidea.com

"Jeff Paetz was a very important partner in my decision to acquire and subsequently remediate a former gas station. Without his help, I would have been lost in the process and would have spent more money than necessary."

Matt Egner Managing Member
MRE Holdings, LTD
P: 614-638-3653
E: matt@egnerconstruction.com

"As an environmental contractor, I have had the opportunity to work with many environmental consulting firms throughout my 17 year tenure. I have found that Phoenix Environmental differentiates itself by providing "hands-on" field support along with open communication throughout every phase of a project. Phoenix works well with contractors and clients to immediately address and mitigate unforeseen issues as they arise. During a recent UST project, Phoenix helped us meet a critical job schedule and closed the project under budget. Our company looks forward to working with Phoenix Environmental for years to come."

Levi Cordle, Vice President
Environmental Management Specialists, Inc. (EMS)
P: 740-808-1088
E: lcordel@emsonsite.com

"I have had the opportunity, on more than one occasion, to have Jeff work on various environmental projects that required a tight turnaround time. He never failed to deliver a quality product, on time and under budget. When you get that kind of service, you tend to be a repeat customer."

Dave Handley, Environmental Representative
Eclipse Resources
866-590-2568
dahandley@centurylink.net

"I have known Jeff for several years and he is very knowledgeable in every aspect of any environmental concerns I have brought to him. He is extremely detailed oriented and is very focused on the satisfaction of his customers concerns, during the project and many years to come."

Dave Sartin, Project Manager/Estimator
Environmental Enterprises
P: 614-935-8697
dsartin@eeienv.com

"Very pleased. Thanks."

Ryan Harris, President
KPT Logistics
P: 937-925-6096
E: harris.ryanm@gmail.com

"Jeff did a great job for us. We called him in at the eleventh hour and he efficiently got the job done."

Laury DiMichaelangelo, Dentist
North Columbus Dental Group
P: 614-806-2201
E: ljdbigdad@aol.com

"Phoenix Environmental is very responsive to deadlines and monitors a project to provide any necessary adjustments. Great knowledge and resourceful."

Barney Cook, Founder/President,
UST Environmental Contractors, Inc
P: 740.862.1554 ext. 10
E: bcook@ust-env.com

APPENDIX A
PHOENIX PROOF OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/3/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | |
|---|--|--|--|
| PRODUCER Brooker Insurance Agency 10749 Pearl Road Strongsville OH 44136 | | CONTACT NAME: Kerri Drodofsky PHONE (A/C No. Ext): (440) 238-5454 FAX (A/C No.): (440) 238-0262 E-MAIL ADDRESS: kerrid@brooker-ins.com | |
| INSURED Phoenix Environmental, LLC 175 S. Sandusky St. Suite 325 Delaware OH 43015 | | INSURER(S) AFFORDING COVERAGE INSURER A: OneBeacon Environmental INSURER B: INSURER C: INSURER D: INSURER E: INSURER F: | |
| | | NAIC # 00013 | |

COVERAGES**CERTIFICATE NUMBER:**15/16 Liability**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|---|--|--|----------|-------------------|-------------------------|--|---|
| A | GENERAL LIABILITY | | | 793-00-30-20-0000 | 2/4/2015 | 2/4/2016 | EACH OCCURRENCE \$ 1,000,000 |
| | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 |
| | <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR | | | | | | MED EXP (Any one person) \$ 5,000 |
| | <input checked="" type="checkbox"/> \$2,500 ded | | | | | | PERSONAL & ADV INJURY \$ 1,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | |
| <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | | | PRODUCTS - COMP/OP AGG \$ 1,000,000 | |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ |
| | <input type="checkbox"/> ANY AUTO | | | | | | BODILY INJURY (Per person) \$ |
| | <input type="checkbox"/> ALL OWNED AUTOS | <input type="checkbox"/> SCHEDULED AUTOS | | | | | BODILY INJURY (Per accident) \$ |
| | <input type="checkbox"/> HIRED AUTOS | <input type="checkbox"/> NON-OWNED AUTOS | | | | | PROPERTY DAMAGE (Per accident) \$ |
| | | | | | | | \$ |
| | UMBRELLA LIAB | <input type="checkbox"/> OCCUR | | | | | EACH OCCURRENCE \$ |
| | EXCESS LIAB | <input type="checkbox"/> CLAIMS-MADE | | | | | AGGREGATE \$ |
| | <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$ | | | | | | \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | <input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N | N / A | | | | E.L. EACH ACCIDENT \$ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE \$ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT \$ |
| A | Contractor's Pollution | | | 793-00-30-20-0000 | 2/4/2015 | 2/4/2016 | Ded \$2,500 \$ \$1,000,000 |
| A | Professional Liability | | | 793-00-30-20-0000 | 2/4/2015 | 2/4/2016 | Ded \$2,500 \$ \$1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

PROOF OF INSURANCE COVERAGE**CERTIFICATE HOLDER****CANCELLATION****PROOF OF INSURANCE**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Malcolm Brooker/CL4

APPENDIX B
NO FURTHER ACTION (NFA) LETTERS



Department of Commerce

Division of State Fire Marshal
John R. Kasich, Governor
Jacqueline T. Williams, Director

June 19, 2015

DALE KOSKI
AMERICAN ELECTRIC POWER
850 TECH CENTER DRIVE
GAHANNA, OHIO 43230

SITE: OHIO POWER CO.
525 S 3RD ST
IRONTON, OHIO
LAWRENCE COUNTY
RELEASE #44000043-N00002

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Koski:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective July 1, 2012.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,



Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeffery Paetz - Phoenix Environmental



Department of Commerce

Division of State Fire Marshal
John R. Kasich, Governor
Jacqueline T. Williams, Director

May 19, 2015

STEVE FORQUER
511 W TOWN ST
COLUMBUS OH 43215

SITE: MACHINERY & TOOL RENTAL
511 W TOWN ST
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25010759-N00001

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Forquer:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective July 1, 2012.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz, Phoenix Env.



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
Andre T. Porter, Director

May 02, 2014

JAMES ROBERTS
BEF MANAGEMENT INC
8111 SMITHS MILLS RD
NEW ALBANY OH 43054

SITE: BOB EVANS FARMS INC
3772 S HIGH ST
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25001278-N00001

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Roberts:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective July 1, 2012.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz, Phoenix Environmental, LLC



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
Andre T. Porter, Director

January 17, 2014

CHARLES PSCHOLKA
VILLAGE OF BELLVILLE
142 PARK PLACE
BELLVILLE, OHIO 44813

SITE: BELLVILLE WASTEWATER
TREATMENT PLANT
101 E DURBIN AVE
BELLVILLE OH
RICHLAND COUNTY
RELEASE #70010958-N00001

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Pscholka:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective July 1, 2012.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File



Department of Commerce

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

February 14, 2013

MATTHEW R EGNER
MRE HOLDINGS LTD
1165 W TOWN ST
COLUMBUS OH 43222

SITE: ORPHAN
154 S YALE AVE
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25011047-N00001

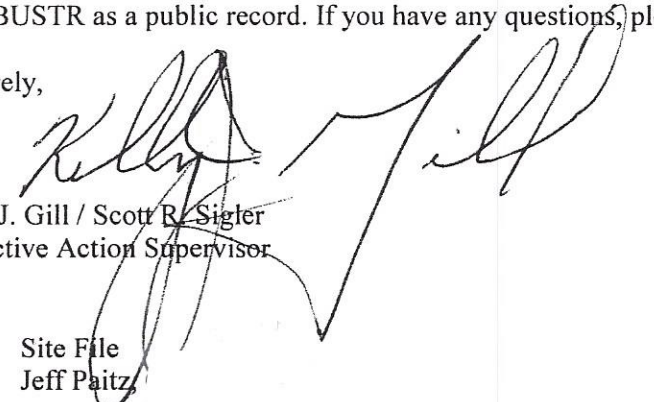
RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Egner:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective July 1, 2012.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill / Scott R. Sigler
Corrective Action Supervisor

xc: Site File
Jeff Paitz



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

July 31, 2012

ERIC LEIBOWITZ
STEPHEN L HARPER TRUSTEE
191 WEST NATIONWIDE BLVD STE 200
COLUMBUS OH 43215

SITE: VACANT PROPERTY
5822 NORTH HAMILTON RD
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25011041-N00001

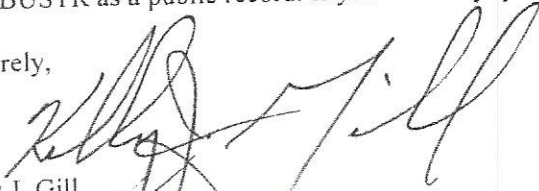
RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Leibowitz:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paitz



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

August 07, 2012

GARY NESS
NATIONWIDE REALTY INVESTMENTS
375 N FRONT ST STE 200
COLUMBUS OH 43215

SITE: VACANT LOT
862 W 3RD AVE
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25011042-N00001

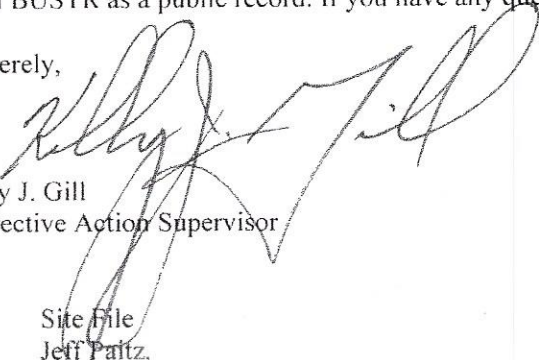
RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Ness:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paltz,



Department of Commerce

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

December 12, 2012

BERNARD DICK
DICK'S SERVICE CENTER
768 LEWISVILLE RD
WOODSFIELD, OHIO 43793

SITE: DICK'S SERVICE CENTER
768 LEWISVILLE RD
WOODSFIELD, OHIO
MONROE COUNTY
RELEASE #56002214-N00001

RE: NO FURTHER ACTION STATUS REGARDING CORRECTIVE ACTION REQUIREMENTS

Dear Mr. Dick:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this release. Based on this information, BUSTR requires no further action (NFA) involving corrective action under Ohio Administrative Code (OAC) 1301:7-9-13, effective July 1, 2012.

Thank you for your cooperation. The submitted information for this release is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,

A handwritten signature in black ink, which appears to read "Kelly J. Gill", is written over a horizontal line.

Kelly J. Gill
Corrective Action Supervisor

xc: Site File



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

March 08, 2011

LILLIE TEETERS
KROGER CO
4111 EXECUTIVE PKWY
WESTERVILLE, OH 43081

SITE: KROGER FUEL CENTER N 506
334 N SANDUSKY AVE
BUCYRUS OH
CRAWFORD COUNTY
RELEASE #17009843-N00001

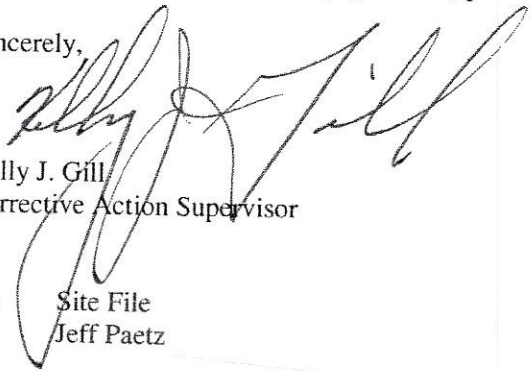
RE: NO FURTHER ACTION STATUS REGARDING CORRECTIVE ACTION REQUIREMENTS

Dear Ms. Teeters:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this release. Based on this information, BUSTR requires no further action (NFA) involving corrective action under Ohio Administrative Code (OAC) 1301:7-9-13, effective March 2005.

Thank you for your cooperation. The submitted information for this release is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

March 08, 2011

SCOTT GOODMAN
SCN CORP
551 DOVER RD NE
SUGARCREEK, OH 44681

SITE: SCN CORP.
551 DOVER RD
SUGARCREEK OH
TUSCARAWAS COUNTY
RELEASE #79000874-N00001

RE: NO FURTHER ACTION STATUS REGARDING CORRECTIVE ACTION REQUIREMENTS

Dear Mr. Goodman:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this release. Based on this information, BUSTR requires no further action (NFA) involving corrective action under Ohio Administrative Code (OAC) 1301:7-9-13, effective March 2005.

Thank you for your cooperation. The submitted information for this release is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz.



**Department
of Commerce**

Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

November 28, 2011

DEMETRIUS WILLIAMS
KROGER COMPANY
411 EXECUTIVE PKWY
WESTERVILLE, OH 43081

SITE: KROGER FUEL CENTER N957
AUG. 2011 UST REMOVAL
4606-4630 MONROE ST
TOLEDO OH
LUCAS COUNTY
RELEASE #48002510-N00003

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Williams:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,

Scott R. Sigler
Corrective Action Supervisor

xc: Site File
Jeff Paetz



**Department
of Commerce**

Division of State Fire Marshal

Ted Strickland, Governor
Kimberly A. Zurz, Director

May 06, 2010

TIM HILBORN
HIGHLAND SUPERINTENDANT
6506 SR 229 PO BOX 98
SPARTA, OH 43350

SITE: HIGHLAND WEST ELEMENTARY
1 WEST ST
MARENGO OH
MORROW COUNTY
RELEASE #59005422-N00001

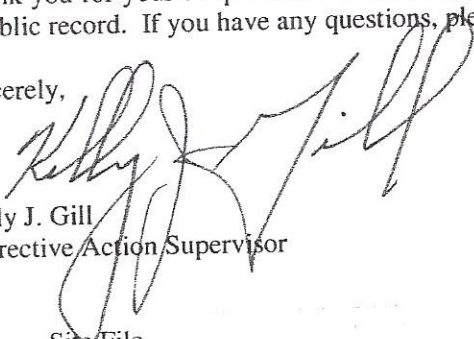
RE: NO FURTHER ACTION STATUS REGARDING CORRECTIVE ACTION REQUIREMENTS

Dear Mr. Hilborn:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this release. Based on this information, BUSTR requires no further action (NFA) involving corrective action under Ohio Administrative Code (OAC) 1301:7-9-13, effective March 2005.

Thank you for your cooperation. The submitted information for this release is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz



**Department
of Commerce**

Division of State Fire Marshal

Ted Strickland, Governor
Kimberly A. Zurz, Director

September 02, 2010

PAUL BILDERBACK
FERGUS CO LLC (PROPERTY OWNER)
8377 GREEN MEADOWS DR N STE A
LEWIS CENTER OH 43035

SITE: UNNAMED
5344 W BROAD ST
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25011009-N00001

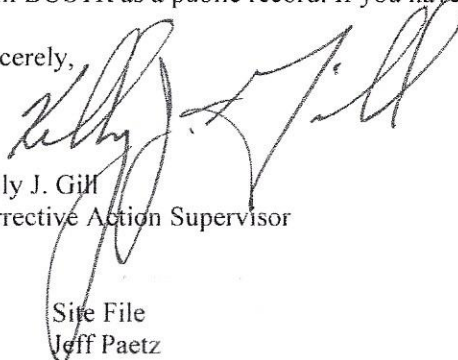
RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Bilderback:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz



**Department
of Commerce**

Division of State Fire Marshal

Ted Strickland, Governor
Kimberly A. Zurz, Director

September 21, 2010

CATHY DAWSON
HUNTLEY PROPERTIES LLC
6334 HUNTLEY RD
WORTHINGTON OH 43229

SITE: HUNTLEY PROPERTIES LLC
6334 HUNTLEY RD
WORTHINGTON OH
FRANKLIN COUNTY
RELEASE #25011013-N00001

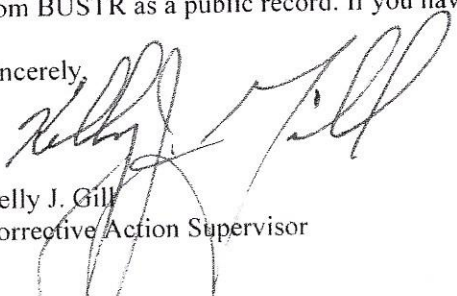
RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Ms. Dawson:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,



Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz



Ohio Department of Commerce

Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 E Main St. • P.O. Box 687
Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942
www.com.ohio.gov

Ted Strickland
Governor

Kimberly A. Zurz
Director

April 21, 2009

TIM DOBYNS
METROPOLITAN PARTNERS
150 EAST BROAD ST
COLUMBUS OH 43215

SITE: PARKING LOT
4400 N HIGH ST
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25010982-N00001

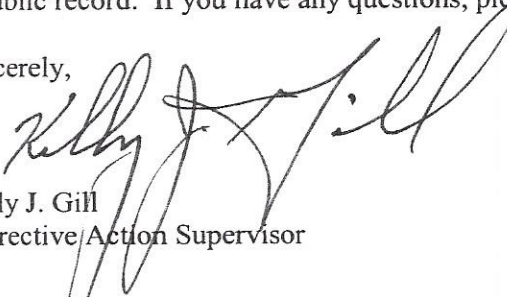
RE: NO FURTHER ACTION STATUS REGARDING CORRECTIVE ACTION REQUIREMENTS

Dear Mr. Dobyns:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this release. Based on this information, BUSTR requires no further action (NFA) involving corrective action under Ohio Administrative Code (OAC) 1301:7-9-13, effective March 2005.

Thank you for your cooperation. The submitted information for this release is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File



Ohio Department of Commerce

Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 E Main St. • P.O. Box 687
Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942
www.com.ohio.gov

Ted Strickland
Governor

Kimberly A. Zurz
Director

October 27, 2009

MIKE ELKINS
CITY OF COLUMBUS
240 PARSONS AVE
COLUMBUS OH 43212

SITE: CITY OF COLUMBUS POLICE
HELIPORT
681 W 3RD AVE
COLUMBUS OH
FRANKLIN COUNTY
RELEASE #25000038-N00003


RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Elkins:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,


Kelly J. Gill
Corrective Action Supervisor

xc: Site File
Jeff Paetz,



Ohio Department of Commerce

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Ted Strickland
Governor

Kimberly A. Zurz
Director

March 17, 2008

TIM HILBORN
HIGHLAND SUPERINTENDANT
6506 SR 229 PO BOX 98
SPARTA OH 43350

SITE: HIGHLAND JUNIOR HIGH SCHOOL
6507 ST RT 229 Y
SPARTA OH
MORROW COUNTY
RELEASE #59005421-N00001

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Mr. Hilborn:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this UST closure assessment. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 2005.

Thank you for your cooperation. The submitted information for this UST closure assessment is available from BUSTR as a public record. If you have any questions, please contact our office at (614) 752-7938.

Sincerely,



Kelly J. Gill
Corrective Action Supervisor

KJG/bjw

xc: Site File
cc: Jeffrey Paetz

APPENDIX C
RESUMES OF KEY PERSONNEL

Summary of Professional Experience:

With more than 18 years' as a Professional Geologist, Mr. Paetz's project experience includes: petroleum and environmental geology consulting; soil, ground water and soil-gas investigations and delineations; underground storage tank (UST) installations, investigations, and removals; soil, sub-slab and indoor air vapor intrusion investigations, multi-incremental sampling projects; asbestos surveys and operation and maintenance (O&M) plans; hazardous material building surveys; and, supervising geophysical investigations.

Mr. Paetz has assisted numerous clients in achieving No Further Action (NFA) and/or Covenants Not to Sue (CNS) for sites under Ohio's Bureau of Underground Storage Tank Regulations (BUSTR), Kentucky Superfund and Ohio EPA Voluntary Action Program (VAP).

Licenses/Registrations:

- Ohio EPA Voluntary Action Program (VAP) Certified Professional (C.P. No. 315)
- Registered Professional Geologist (License No. KY-2425)
- Ohio Certified Asbestos Hazard Evaluation Specialist (License No. 34086)
- Registered Brownfield Professional (License No. RBP00089)

Education: *Bachelor of Arts Geology*
The Ohio State University 1997

Continuing Education:

- *E1527-13 Phase I ESA Rule Changes*
- *Ohio EPA VAP Vapor Intrusion Sampling Training 2013*
- *Ohio EPA VAP Well Development and Ground Water Sampling Training 2012*
- *EDR Vapor Intrusion and Environmental Liability Webinar 2012*
- *Radon Inspector Training 2012*
- *Vapor Intrusion Regulations, Monitoring and Mitigation course 2012*
- *VAP Soil Classification, Description, and Logging Short Course 2011*
- *EPA Hazardous Waste Training Course 2010*
- *NGWA Environmental Forensics course 2009*
- *EPA Remediation Technologies course 2007*
- *ASFE Fundamentals of Professional Practice (Project Manager Training) 2006*
- *Contaminate Fate and Transport course 2006*
- *Confined Space Training 2001*
- *OSHA HAZWOPER 40-Hour 1999*

Select project experience for Mr. Paetz includes:

- Clean Ohio industrial redevelopment to residential land use, Columbus, Ohio – Ohio VAP Phase II Property Assessments, soil, groundwater and soil-gas delineation, and remediation. Remedial actions included removal of 9,500 tons of soil, installation of slurry walls and soil and ground water treatment of volatile organic compounds (VOCs) with 3DME. Volunteer received an NFA and CNS.
 - Project cost \$4M
- Clean Ohio commercial redevelopment to mixed land use, Columbus, Ohio – Ohio VAP Phase I and Phase II Property Assessment, soil, groundwater and soil-gas delineation. Assisted client with applying for \$1M Clean Ohio Revitalization Fund (CORF) and \$200K Green Columbus Grants for remedial activities which they were awarded.
 - Project cost \$85K
- Clean Ohio industrial redevelopment, Marion, Ohio – Ohio VAP Clean Ohio Revitalization Fund (CORF) cleanup. Mr. Paetz is currently managing this project. Activities to be completed include the removal of two underground storage tanks, soil and groundwater treatment and preparation of a No Further Action letter.
 - Project cost \$340K
- Clean Ohio industrial redevelopment, Marion, Ohio – Ohio VAP Phase I Property Assessment, Phase II Property Assessment with soil, groundwater and soil-gas contaminant delineation. Phase II included installation of over 100 soil borings, 25 monitoring wells, 10 soil gas points and a Property wide geophysical survey. Assisted client with CORF application for \$340K for remediation activities which they were awarded.
 - Project cost \$265K
- Former Dry Cleaner, Columbus, OH – VAP-modeled Phase II Environmental Site Assessment and remediation. Completed remediation of 500 cubic yards of tetrachloroethene (PCE) impacted soils and ground water using sodium persulfate, zero valiant iron and hydrogen peroxide compounds. The remediation activities were successful and the buyer proceeded with the purchase.
 - Project cost \$100K
- School district, Marengo, Morrow County, OH, Completed After-the-Fact UST Closure, Tier 1 Source Investigation and Interim Response Action. Assisted client with getting facility in compliance with BUSTR. Owner received NFA.
 - Project cost: \$50K

- Ashland Town Center, Ashland, Boyd County, KY - Phase I Environmental Site Assessment & Pre-Renovation Asbestos Survey, Petroleum Soil Delineation and Cleanup. Remedial action included removal of over 2,000 tons of impacted soils. Owner received NFA through Kentucky Superfund.
 - Project cost: \$125K

Training Experience:

Mr. Paetz has provided the following onsite training to clients:

- Environmental Liability 101
- Asbestos Awareness
- HAZCOM 2012
- Globally Harmonized System of Classification of Hazardous Materials
- HAZMAT DOT Awareness

Summary of Professional Experience:

With more than 21 years' as a Professional Engineer, Mr. Zappa's project experience includes: underground storage tank (UST) closures and corrective actions, environmental compliance, environmental due diligence, site investigations, environmental remediation, civil and landfill engineering.

Mr. Zappa has assisted numerous clients in achieving No Further Action (NFA) for sites under Ohio's Bureau of Underground Storage Tank Regulations (BUSTR).

Mr. Zappa has extensive experience providing solid waste landfill and remediation related services to clients located in Ohio, Indiana, Massachusetts, New Jersey, Pennsylvania and Utah. Specific responsibilities have included:

- Preparation of construction plans, specifications, and bid and contract documents
- Cost estimating and scheduling
- Closure/post-closure plans and designs
- Facility design
- Erosion control design
- Stormwater management design and permitting
- Cap/liner construction quality assurance (CQA) plan development
- Construction and CQA oversight

Licenses/Registrations:

- Registered Professional Engineer in Ohio, Massachusetts, Michigan, and Pennsylvania

Education:

- *Master of Project Management*, Keller Graduate School of Management, 2004 (with distinction)
- *BSCE*, Pennsylvania State University, 1993

Select project experience for Mr. Zappa includes:

ENVIRONMENTAL DUE DILIGENCE

Various Facilities (Grove City and Groveport, Ohio)

Managed Phase I Environmental Site Assessments (ESAs) for two properties; one of which was located in Grove City, Ohio and the other one located in Groveport, Ohio. The project was completed on an expedited schedule and a very tight budget.

SITE INVESTIGATION

Gas Station Facility (St. Clairsville, Ohio)

Assessing historical petroleum release at the facility and assisting the client through the Ohio Bureau of Underground Storage Tank Regulations (BUSTR) corrective action process. Activities have included file reviews, evaluation of historical activities performed, soil and groundwater sampling, monitoring well installation, free product recovery, and completion/submittal of the BUSTR corrective action reports. Also, manage the Ohio Petroleum UST Release Compensation Board (PUSTRCB) reimbursement claims of corrective action work.

Dry Cleaner (Columbus, Ohio)

Managed and performed site investigation of an existing dry cleaner site in Columbus, Ohio. Activities performed included, but were not limited to, soil boring/monitoring well installation, soil/groundwater sampling, surveying of elevations, and report generation.

West Jefferson Local Schools (West Jefferson, Ohio)

Managed and performed BUSTR site investigation (Tier 1 Investigation) of former UST area at the school bus transportation garage. Activities performed included, but were not limited to, soil boring/monitoring well installation, soil/groundwater sampling, surveying of soil boring/monitoring well locations, and preparation/submittal of Tier 1 Investigation report. BUSTR issued a 'No Further Action' letter for the site and then the monitoring wells were properly abandoned.

ENVIRONMENTAL COMPLIANCE EXPERIENCE

Various Industrial Facilities (Ohio)

Prepared Spill Prevention Control and Countermeasure (SPCC) Plans and Storm Water Pollution Prevention Plans (SWP3s) for industrial facilities located throughout Ohio. SWP3/SPCC Plan activities included, but were not limited to; site visit, understanding operations and material storage/use, and preparation of final SWP3s and SPCC Plans. Performed final professional engineer certification for SPCC Plans.

Industrial Facility (Huntsville, Alabama)

Prepared Spill Prevention Control and Countermeasure (SPCC) Plans for industrial facility located in Alabama. SPCC Plan activities included, but were not limited site visit, understanding operations and material storage/use, and preparation of final SPCC Plan. Performed final professional engineer certification for SPCC Plan.

Industrial Facility (Columbus, Ohio)

Coordinate environmental compliance work with the client as needs arise. Manage and coordinate SARA Title III reporting (Section 311/312 [SERC] and Section 313 [FORM R])

CIVIL & ENVIRONMENTAL ENGINEERING EXPERIENCE

Sand and Gravel Facility (Ohio)

Performed engineering design of process water sediment ponds and submitted permit to install (PTI) applications to Ohio EPA. Perform monthly process water discharge sampling and reporting (eDMR).

City of Newark (Newark, Ohio)

Assisted with the remedial design of a cap system at a former aluminum dross site that was part of the Ohio Voluntary Action Program (VAP). Provided on-site management of the remedial design implementation and coordinated construction activities with the remedial contractor which included technical oversight and project management. Remedial activities included soil excavation, placement of geo-synthetic composite liner (GCL), and placement of vegetative soil cover.

Various Industrial Facilities (Ohio)

Completed and submitted PTI applications to Ohio for various wastewater treatment systems and sediment ponds at various industrial facilities across Ohio. PTI application process involved performing site visits, gathering applicable design information for engineering report, completing design drawings, and final professional engineering certification.

Summary of Professional Experience:

With more than 25 years' as a Professional Geologist, Mr. Compton's project experience includes: asbestos inspection, air quality monitoring, asbestos abatement oversight, phase I and II site assessments, UST closure, groundwater monitoring, data interpretation, remediation system installation and implementation.

Licenses/Registrations:

- Indiana Asbestos Inspector
- Indiana Management Planner
- Ohio Asbestos Inspector
- Certified Professional Geologist
- Indiana Professional Geologist

Education: *Bachelor of Science*, 1984 Geology/Geophysics, Michigan State University

Project Experience

- **Asbestos Abatement – Hospital, Northwest Indiana**

Project manager for the preparation of abatement plans, specifications and cost estimates for the removal of asbestos during the renovation/addition at a hospital facility. Also provided over-site of the remediation contractor and third party air monitoring. Project value \$1.4 million.

- **Environmental Consulting – Various Project Locations**

Since 1989, Mr. Compton has been responsible for the successful completion of over 150 asbestos, lead-based paint, and mold/indoor air quality survey projects located Indiana, Ohio and Michigan.

- Project manager for the plume investigation, remediation design, contractor over-site, and implementation of an in-situ electron donor remediation at a drycleaner facility. The project included 150 injection points and 13 groundwater monitoring wells. Quarterly groundwater samples collected to monitor remediation effectiveness and achievement of regulatory levels. Project value \$1.6 Million.
- Project manager for the plume investigation, remediation design, contractor over-site, and implementation of an air sparge remediation system at a former gasoline service station. Air and groundwater sampling during remediation. Project value \$400,000.

- **Hazardous Site Remediation – Southeast Michigan**

On-site project manager involved coordinating and overseeing subcontractors performing the cleanup of lead and cadmium contaminated soil and debris during a four-month project. Supervised in-house personnel collecting analytical samples from over 500 staged roll-offs, as well as collection of soil samples to verify effective remediation of the site. Project value \$2.1 million.

Summary of Professional Experience:

With more than 37 years' experience as a cultural resources expert, Mr. Graham's project experience includes: Section 106, Section 4(f), NEPA, Programmatic Approaches, Creative Mitigation, Tribal Consultation, Program & Project Management, Training & Staff Development, Environmental Process Streamlining, Historic Bridge Program Management, Cultural Resource Management, Archaeology & Historic Preservation and Photography.

Education: *Bachelor of Arts* Anthropology
The Ohio State University 1978

Professional Profile:

Mr. Graham supervised and was responsible for the Ohio Department of Transportation's Cultural Resource Management (CRM) Program for 14 years (1997-2011). He served as Assistant Environmental Administrator in the ODOT Office of Environmental Services during those 14 years. In addition to being in charge of ODOT's Cultural Resource Management Program, he had general NEPA responsibilities, and was in charge of Section 4(f) review and processing for historic and archaeological resources. For nearly all of the last two years of his ODOT service, he was in charge of all Section 4(f) review and processing on projects. Prior to serving as an Assistant Environmental Administrator, he was the ODOT District 5 Environmental Specialist/Coordinator from 1991-1997. He was responsible for the District's environmental program and managed all environmental aspects of projects in varying stages of project development. He wrote and reviewed NEPA documents, prepared construction plan notes, ensured that the notes were included in project plans, and monitored environmental commitments. He retired from ODOT in 2011 with nearly 33 years of experience in CRM, NEPA, program management, Section 4(f), project planning and management, as well as having experience in his career in other ODOT offices focusing on other transportation modes.

In ODOT's consultant prequalification training classes, he was primary instructor in the Section 106 Training, and an instructor in the following training classes: Section 4(f)/Section 6(f) Training, Purpose and Need Training, Categorical Exclusion Training, and Managing the Environmental and Project Development Process.

In his position of Assistant Environmental Administrator capacity over the years of 1997-2011, he was the primary point of contact for FHWA-Ohio Division on all aspects of tribal consultation, as required by 36 CFR Part 800. He directed and supervised ODOT staff who conducted tribal consultation on ODOT projects on behalf of FHWA.

He was the primary author of Programmatic Agreements between ODOT, FHWA, the Ohio Historic Preservation Office, and the Advisory Council on Historic Preservation; authored two Memoranda of Understanding, one state funded project agreement, and worked on a large number of project Memoranda of Agreement. He was on the team that developed the Ohio Section 4(f) Programmatic Agreement for Applicability Determination and Programmatic Evaluation, which delegates certain Section 4(f) responsibilities to ODOT (first such agreement in the country).

From 2005-2013, he was appointed as a Member of the Transportation Research Board (TRB) ADC50 Committee “Historical and Archaeological Preservation in Transportation.” The TRB is part of the National Academies of Science, Medicine, and Engineering. From 2010-2013, he was appointed by former Ohio Governor Ted Strickland to serve on the Ohio Historic Site Preservation Advisory Board; in 2011 he was elected to chair this board. In 2013 he was reappointed by Ohio Governor John Kasich to serve on the Ohio Historic Site Preservation Advisory Board for a 3 year term ending in 2016. He has served on numerous TRB research panels, Federal Highway Administration panels, and American Association of State Highway and Transportation Officials (AASHTO) panels over the years. From 2009-present, he is listed as a “Friend” of TRB Committee ADC10 “Environmental Analysis in Transportation.” He is a founding member of and on the steering committee of the Historic Bridge Alliance.

Mr. Graham is well versed in ODOT’s new Project Development Process (PDP). He was the primary author of ODOT’s *Cultural Resource Manual* (2012) which was written to reflect the new PDP. Additionally, he was the primary author and coordinator of ODOT’s *Project Development Process Manual* (2013).

Publications:

2012 *Cultural Resources Manual*.

http://www.dot.state.oh.us/Divisions/Planning/Environment/Cultural_Resources/Pages/CulturalResourcesManual.aspx

2013 *Project Development Process Manual*.

<http://www.dot.state.oh.us/projects/pdp/Pages/manual.aspx>

Summary of Professional Experience:

In her capacity since 2014 as an Environmental Scientist, Ms. Woodward has been responsible for assisting with Phase I Environmental Site Assessments (ESAs), Phase II ESAs, underground storage tank closure assessments and asbestos operation and maintenance (O&M) plans. Her activities have included data collection, submission of Freedom of Information Act (FOIA) requests, preparation of site and sample location maps, and supervised interpretation of topographic maps and other historical records.

Education: *Bachelor of Arts* Geography, Concentration in Environment and Society
The Ohio State University 2014

Previous research experience for Ms. Woodward includes:

Recent and Historical Influences of Anthropogenic Activities in Great Basin National Park: Evidence from lake sediment and water geochemistry (August 2013) Funded by the Western National Park Association:

- Extracted alpine lake sediment using a wet core system for climate proxy studies
- Measured glacial runoff with a flowmeter to calculate glacial melt and aquifer recharge rates
- Retrieved and uploaded a year's worth of climate Lascar data (temperature/humidity)
- Examined biogeography of the region through plant, water, and soil sample collection and analysis

Paleoclimatic Reconstruction and Archaeological Investigation in Yucatán, Mexico (April 2012) Funded by the National Science Foundation: award #0924510 (Belize), award #0940183 (Mexico):

- Collected speleothems and water samples for paleo-climate reconstruction
- Surveyed archaeological significant caves using Suunto compass and clinometers
- Retrieved and analyzed sediment cores using Vibracore, wet core, and soil auger methods
- Used differential GPS for ground control points and to locate archaeological features for site map

Perennial Wetland Formations and Human Adaptation in Northwest Belize (May 2013) and **Paleoclimatic Reconstruction and Archaeological Investigation in Yucatán, Mexico** (April 2012) Funded by the National Science Foundation: award #0924510 (Belize), award #0940183 (Mexico):

- Collected speleothems and water samples for paleo-climate reconstruction
- Surveyed archaeological significant caves using Suunto compass and clinometers
- Retrieved and analyzed sediment cores using Vibracore, wet core, and soil auger methods
- Used differential GPS for ground control points and to locate archaeological features for site map