







STATEMENT OF QUALIFICATIONS









Winter Environmental 3350 Green Pointe Parkway Suite 200 Peachtree Corners, GA 30092 www.winter-environmental.com (404) 588 - 3300

CORPORATE OVERVIEW

ABOUT THE WINTER COMPANIES

WINTER ENVIRONMENTAL is a division of The Winter Construction Company. The Winter Construction Company was founded in 1964 and has two operating units: Winter Construction and Winter Environmental. Winter Construction has been providing general contracting and construction services on projects ranging from \$50,000 to \$100,000,000 throughout the southeast and mid-Atlantic United States. The primary markets for Winter Construction are: hospitality; government; K-12 and higher education; retail; multi-family; and commercial building spaces.

Winter Environmental provides asbestos, lead, and mold abatement, property rehabilitation, hazardous waste remediation, industrial decontamination and dismantling, nuclear decontamination and decommissioning, emergency and disaster response and other clean-up and site control services. Our professionals are skilled, dedicated individuals who continually set higher standards of performance for the company and strive to stay abreast of industry construction, technological and regulatory trends.

NATIONALLY RECOGNIZED

This excellence has been recognized time and again in Engineering News Record (ENR), who identified Winter Environmental as one of the Top 200 Environmental Firms and one of the Top 20 Asbestos Abatement Contractors in the nation.

Through its services, **Winter Environmental** has successfully completed more than 4,000 environmental projects for clients in a diverse spectrum of critical and complex industries demanding work that is second to none.





LOCATIONS

SERVICE

Winter Environmental 3350 Green Pointe Pkwy Suite 200 Peachtree Corners, GA 30092

Winter Construction

191 Peachtree Street, NE Suite 2100 Atlanta, GA 30303





Since 1987, **Winter Environmental** has offered full-service, selfperformed environmental services including asbestos, lead, and mold abatement; property rehabilitation; hazardous waste remediation; and other cleanup and facility decontamination services. Additionally, we are the largest Georgia-based asbestos abatement firm with successful completion of more than 4,000 environmental projects, as well as numerous disaster response projects. Our clients represent virtually every environmentally regulated business sector including:

- Utility Fossil Plants
- Nuclear plants and Facilities
- Banks and Institutional Lenders
- Chemical Manufacturing and Industrial Facilities
- K-12 and Higher Education
- Engineering/ EPC Firms
- Commercial Real Estate Owners and Developers
- General Contractors/Construction Managers
- National Demolition Contractors
- Healthcare Facilities
- Law Firms
- Municipal, State and Law Governments
- United States Department of Defense
- United States Department of Energy



It's simple. **Winter Environmental** will get the job done by implementing more than three decades of proven, award- winning contracting capability, knowledge, experience, resources and service that is second to none in the industry. We don't just say we can do it, we show we can do it, and have done so through thousands of highly successful projects, resulting in hundreds of satisfied clients for more than 30 years. In addition, all our projects are completed quickly, cost-effectively and safely, with a determined focus on client service. In fact, the majority of our clients are repeat clients. And here is why...

EXPERIENCE

Winter Environmental is managed by a highly knowledgeable, experienced and stable team of executives and senior project managers. Our top four executive officers alone have over 140 years of cumulative experience in the environmental services industry. The average length of industry experience among our project managers and superintendents is 26 years and 24 years, respectively, and their average length of service with **Winter Environmental** is over 15 years.

FINANCIAL STRENGTH, INSURANCE & BONDING

If you are looking for the highest level of assurity that the partner you choose to complete your project is strong in foundation, reliable, and is backed by more-than-adequate financial resources that will greatly reduce risk and help give peace of mind, you won't find anyone that fits the bill more than **Winter Environmental**.

Winter Environmental delivers stability and security through the long steadfast financial resources of **The Winter Construction Company**, an ENR Top 400 Contractor that has been in business since 1964. This means peace of mind for our clients as we can handle the highest of work loads with ease and we will be around long after the job is done.

Our overall insurance program includes \$25,000,000 in general liability coverage and \$10,000,000 in pollution liability coverage. Our bonding capacity is in excess of \$275,000,000. These metrics are as strong as can be found in the environmental industry, and serve as another reason you can trust putting your confidence in us.

SELF-PERFORMANCE

Winter Environmental self-performs virtually all work on site. The services we typically subcontract include scaffolding, hauling, certain proprietary technologies and certain specialty trades or technical expertise, if needed. This high level of self-performance allows us to assure lower costs, a safer work site, higher quality control, faster completion times and better adaptability to unexpected circumstances.





LOGISTICS

Rather than incur and convey the costs of satellite offices, **Winter Environmental** serves its clients from one operations center in Atlanta, Georgia. Here, we can more efficiently coordinate resources and focus on efficiently delivering project teams and equipment to any place in our market. Early on, we chose to invest our capital in achieving the most efficient logistical project support capabilities. We do this by:

- Employing the latest in equipment tracking technologies
 - 1. Barcode systems
 - 2. GPS equipment tracking
 - 3. Specialized inventory control and reconciliation systems
- Logistics management
- Employee training and certification system

SUSTAINABILITY

Cleaning up contaminated sites and structures is inherently a sustainable practice. However, **Winter Environmental** goes a step further. Wherever feasible, we look for opportunities on our projects to:

- Reuse/recycle deconstruction and demolition materials
- Consider future site use and reuse existing infrastructure where possible
- Use environmentally efficient processes, such as clean diesel equipment
- Reduce generation of GHG emissions by using clean fuels and recycled industrial materials

Our project managers and staff are committed to helping our clients show regulatory agencies and the public that they care about energy and resource conservation even when cleaning up properties. In addition, our environmental remediation professionals are dedicated to staying current on any and all news on regulations and practices that might affect a project or job site. In fact, **Winter Environmental's** professionals have often been featured in and contributed to editorial content in the industry's most respected and relied upon publications.



WHY WINTER

GEOGRAPHIC COVERAGE

Winter Environmental has delivered competitively priced services across more than 21 states, with the predominant number of projects performed in the Southeast, Midwest, and Mid-Atlantic regions of the United States. Licensed as an environmental contractor in 21 states, Winter Environmental has the capability and resources to handle projects in many states east of the Mississippi River.

OPEN SHOP STATUS

Winter Environmental operates as an open-shop contractor. We are not signatory to national organized labor agreements (NLA's). However, we routinely execute Project-specific Labor Agreements (PLA's) and Construction Labor Agreements (CLA's) for private, industrial, and government contracts, when required. We are also experienced in federally-funded project requirements where compliance with the Service Contract Act and/or the Davis-Bacon Act are contractually required and we have the necessary accounting, payroll, and administrative systems in place to adhere to project-specific mandates, audits and compliance.

OWNERSHIP & CONTROL

Winter Construction is owned by five senior, full-time executives, two of whom, Brad Reid, and Jim Graham, are the managing principals of Winter Environmental. Thus, **Winter Environmental's** leadership and its more than 72 years of industry-specific experience has near autonomous control over its policies, practices and investments in quality, safety and client satisfaction. If Winter Environmental makes a commitment, our principals have the authority to do whatever it takes within the bounds of legality and reason to meet it.

COMPANY STAFFING

Winter Environmental employs on average more than 150 environmental professionals and craft laborers. Our project teams are comprised of licensed and certified engineers, scientists, superintendents and equipment operators and technicians who have extensive training and experience in health and safety protection, environmental regulations, waste handling, chemical decontamination, soil and groundwater treatment, abatement and decontamination procedures, general demolition, construction and earth moving operations.





KEY PERSONNEL MANAGING PRINCIPALS

James A. Graham, EVP/Principal Brad D. Reid, P.E., EVP/Principal

SENIOR STAFF & PROJECT MANAGERS

Tim Egan, VP, Principal Project Manager Charles Barth, Senior Project Manager Ralph Leptrone, Senior Project Manager Don Bohensky, Senior Estimator Jason Hibbard, Project Manager Andrew Holtzapfel, Project Manager

SENIOR SUPPORT PERSONNEL

Roger Flores, General Superintendent Tim Thomas, VP Risk Management Jeff Barber, Safety Officer Scott Livengood, Logistics Manager

The individuals listed above represent an average of 25 years of experience in their fields, and an average tenure at **Winter Environmental** of over 15 years.

CULTURE

Client service, integrity and respect are part of our company's culture, not just a requirement in our company handbook. The core values of **The Winter Construction Company** and **Winter Environmental** are:

INTEGRITY

We do the right thing every day.

TEAMWORK

We work together to achieve outstanding results.

CLIENTS

We provide quality service to our clients.

PEOPLE

We value and respect people with, and for whom, we work.



CULTURE

Each new member of our staff is selected not only on the basis of his or her technical qualifications, but also on his or her aptitude for teamwork, interpersonal communication and professional leadership. For over 18 years, **Winter Environmental** has used intensive pre-employment screening methods, with the assistance of an occupational psychologist, to select individuals with these traits. As a result, we have become a team of industrial professionals that possesses consistently strong communications skills, a heightened and flexible sensitivity to client needs, and an obsession with delivering precisely the product our clients request. At **Winter Environmental**, completing projects and creating partnerships with the highest level of client service is our mission and such a mission is only achieved when our clients are satisfied with all phases of their project, both at the moment of completion and for as long as the site is operational.

SAFETY

No project can be called successful if safety is compromised. Safety is paramount both in our industry and in the philosophy, policies, and practices of **WinterEnvironmental**. Our policies and procedures are monitored and managed with a goal of continually improving worker safety and loss prevention. The proof is in the numbers.

Winter Environmental's deeply entrenched safety culture is led and managed by the company's Vice President of Risk Management, Tim Thomas, and is implemented by a staff of full time superintendents and inspectors. The program encompasses extensive and ongoing training, inspections, incentives and swift, decisive corrective measures in all applicable areas of OSHA compliance. All superintendents, foremen and operators are required by company policy to be competent in every aspect of their work, including excavation, scaffolding, fall protection, hot work and confined-space-entry. A well-entrenched culture of zero accidents at **Winter Environmental** has produced one of the best safety records in our industry, with an EMR of 0.74 and a five year average of 0.75; **Winter Environmental** has recorded zero lost time injuries in the last five years.

WinterEnvironmental's placing safety as paramount above all other aspects of the job has resulted in national recognition and accolades, including receiving the industry's coveted STEP (Safety Training and Evaluation Process) award. STEP is a merit-based safety recognition program designed to promote an organized approach for analyzing and developing safety and loss prevention programs nationwide. Established in 1989 by the ABC National Environment and Health & Safety Committee, the STEP program was developed and written by contractors for contractors. In addition to the STEP awards, **Winter Environmental** is recognized annually by other safety-minded esteemed organizations including the Georgia Department of Labor and the National Demolition Association (NDA), being recognized in 2014 and 2015 with the NDA's Environmental Excellence Award.



EXPERIENCE MODIFICATION RATINGS 2018: 0.87 2017: 0.87 2016: 0.75 **BONDING CAPACITY** \$75 MM Per Project \$275 MM Aggregate **BONDING REFERENCES AGENT:** Gerard Macholz **Everest National Insurance** Company 461 5th Avenue New York, New York 10017 (516)-414-8904 **CLASSIFICATION:** Small Business <750 Employees THIRD PARTY SAFETY **PROGRAM:** BROWZ: 22ac2 **AVETTA: 15570** PEC: 26590 ISNetworld: 400-153479

INSURANCE REFERENCES AGENT: **David Slatinsky USI Insurance Services LLC** 7 E Congress Street, Suite 102 Savannah Georgia 3140 (912) 660-8103 Zurich Insurance Group 3003 Summit Boulevard Suite 1800 Atlanta, Georgia 30319 CAGE CODE: 1X590 **D&B NUMBER:** 09-176-3417 **TAX IDNUMBER:** 58-1339100 PRIMARY NAICS CODE: 562910, 238910

5 YEAR SAFETY PERFORMANCE WINTER 2018 2017 2016 2015 2014 631,188 657,796 **Total Hours Worked** 718,884 714,991 741,447 0.70 EMR 0.87 0.87 0.75 0.69 **Incidence Rate** 0.56 0.63 0.28 0.27 1.82 **DAW Case Rate** 0 0 0 0 0 Days Away from Work 0 0 0 0 0 0 0 4 **Restricted Duty Case** 0 1 2 0 2 **Medical Only Cases** 2 1 **DAW Cases** 0 0 0 0 0 0 0 0 0 Fatalities 0 **Total Recordable Iniuries** 2 2 1 1 6 **1st Aid Cases** 2 6 3 5 5 DART 0 0 0 18 128



SAFETY & BONDING

CONTACT:

Jim Graham, Principal Direct: (404) 965 - 2319 Mobile: (678) 358 - 5180 jgraham@winterenvironmental.com



WHERE WE WORK:

Winter Environmental has delivered competitively-priced services across much of the eastern and southern United States, with the predominant number of our projects being performed in the Southeast and Mid-Atlantic.



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RECOGNITION



ENR 2019 "Top 400 Contractors" ENR 2018 "Top 20 Abatement Contractors" ENR 2017 "Top 20 Abatement Contractors" ENR 2017 "Top 400 Contractors" ENR 2016 " Top 200 Environmental Contractors" ENR 2015 " Top 200 Environmental Contractors" ENR 2014 "Top Specialty Contractor"



Associated Builders & Contractors of Georgia 2016 Award of Safety Excellence Associated Builders & Contractors of Georgia 2016 Platinum STEP Award Associated Builders & Contractors of Georgia 2014 Platinum STEP Award Associated Builders & Contractors of Georgia 2009 Platinum STEP Award Associated Builders & Contractors of Georgia 2013 Gold STEP Award Associated Builders & Contractors of Georgia 2013 Award of Safety Excellence



Zurich "Best in Class"



Georgia Department of Labor Award of Excellence for Exceptional Workplace Safety Platinum Level STEP (Safety Training Evaluation Program) Award Georgia Award of Safety Excellence



National Demolition Association 2015 Environmental Excellence Award National Demolition Association 2014 Environmental Excellence Award



Healthiest Employers, Atlanta Business Chronicle, 2016, #3 Medium Companies Healthiest Employers, Atlanta Business Chronicle, 2015, #1 Small Companies Best Places to Work, Atlanta Business Chronicle, 2015 Best Places to Work, Atlanta Business Chronicle, 2014

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RELATED PROJECT EXPERIENCE











What We Are Doing...

- Asbestos abatement
- Lead paint abatement
- Waste management

Projected Project Value: \$13.4 Million Total Projected Performance Period: 750 Days Self-performed: 100% Projected Man Hours: 130,000

Total sf Under Roof: 270,000 sf

Winter Environmental is currently under contract to New South Construction to provide lead paint abatement of the structural steel and removal of the corrugated metal barrel roof Galbestos panels and corrugated side wall Galbestos panels in Docks 1, 4 and 3 of Building 125. Building 125 is a large aircraft hangar constructed in the early 1940's. It is an AMXG Facility consisting of four large Docks (hangars) used for the Programmed Depot Maintenance and overhaul of C-5 cargo aircraft. Also included was the cleaning of surfaces in Docks 1, 4 and 3 to remove settled dust that contained cadmium, hexavalent chromium and lead.

Dock 1 was completed in 2016 and Dock 4 was completed as of July 1st 2017. A total of 130,000 man hours will be invested in this project with 25 workers and zero recordable incidents to date. Dock 3 was completed in July 2018. The High Bay between the dock is currently in progress with an expected completion date of December 2018. This structure is on the National Historic Registry.

PICATINNY ARSENAL ASBESTOS ABATEMENT





What We Did...

- 110,000-sf cement asbestos panel
- 15,000-sf lead sheeting
- 22,000-sf drywall and plaster
- 26,000-sf thermal systems inulation

Project Value: \$2,200,000 Performance Period: 115 days Manhours: 21,231

Self-performed: 100%

As a subcontractor to Gilbane, **Winter Environmental** performed asbestos abatement and other regulated materials (ORMs) remediation for the U.S. Army at the historic Picatinny Arsenal in New Jersey.

This \$2.2MM abatement project consisted of the removal of asbestos containing materials (ACMs) and ORMs from 40 remotely located, abandoned weaponry structures encumbered with 20 to 30 years of organic overgrowth and deterioration. The structures ranged in size from one to four stories and from 100 sf to 6,000 sf. Winter Environmental provided abatement of the structures in concert with Gilbane's clearing of all unexploded ordinances (UXOs) and devices within and surrounding the structures.

Quantities of materials abated included: 21,000 sf of floor tile and mastic; 110,000 sf of cement asbestos panels; 26,000 sf of thermal systems insulation; 22,000 sf of drywall and plaster; and 15,000 sf of lead shielding. Other ORMs removed included duct gaskets and flanges; ballasts; mercury switches; and fluorescent bulbs. Project challenges included working in areas that previously contained UXO materials; working within remote, wooded locations and the exposure to natural biological hazards local to the area, including snakes, ticks, and poison ivy.



- Asbestos abatement & decontamination
- Chemical decontamination
- Soil remediation

Project Value to Date: \$6,200,000

Performance Period: 6+ years

Man hours: 7,931 Number of workers: >30 Self-performed: 100% Winter Environmental continues to provide abatement and industrial decontamination services at one of the largest chemical manufacturing facilities in the United States. This \$6 MM plus abatement and industrial decontamination project is being performed for a confidential client at their 460-acre crop protection and agricultural chemical manufacturing site, located in West Virginia. As part of an on-call contract, **Winter Environmental's** scope of work included above-ground storage tank (AST) and support vessel decontamination and cleaning; abatement of asbestos containing materials (ACMs); industrial process line breaking and flushing; pipe and vessel dismantling/demolition; and production facility and manufacturing space decontamination. Cleaning processes and techniques included: institutional cleaning; low and high-pressure water and chemical cleaning and decontamination; and conventional cleaning.

Winter Environmental worked within strict NESHAPS, RCRA, TSCA, DOT and OSHA regulations and guidelines while also working in various personal protective equipment levels ranging from Level D to B.



Project Value: \$208,000 Performance Period: 10 months Self-performed: 100% **Winter Environmental** was contracted to remove a leaking 30,000 gallon underground storage tank (UST) and install an above ground storage tank (AST) at the Hangar Facility at the Charlie Brown Airport Fueling Station in Fulton County, Georgia.

Winter Environmental AST installation portion of the project included a 12-inch thick, 500 sq. ft. concrete tank pad, as well as a 70 ft. by 12 ft. concrete fuel unloading pad. The 12,000 gallon steel tank was placed using a 75 ton hydraulic truck crane. Ancillary activities included installation of a grounding system capable of carrying impedance less than .2 ohms in the tank pad concrete, electrical service to the tank, and installation of ductile iron pipe to provide drainage from the unloading pad.

RADFORD ARMY AMMUNITION PLANT CONDUCTIVE FLOORING REMOVAL & SOIL EXCAVATION

LOCATION

RADFORD ARMY DEPOT, VIRGINIA

What We Did...

- Asbestos abatement
- Heavy metal decontamination

Project Value: \$851,422 Performance Period: 50 Days Number of workers: 18 Man hours: 13,668

Self-performed: 100%

Winter Environmental was subcontracted by ARCADIS to perform site remediation activities at the Radford Army Ammunition Plant, New River Unit (RFAAP-NRU), Radford Army Depot, Virginia.

Plant production activities at RFAAR-NRU began in 1940 and ceased after World War II. Winter Environmental's project scope included the abatement and demolition of 34 remnant manufacturing structures and the excavation and removal of contaminated soil in two areas. This process included the installation and maintenance of erosion and sediment controls; clearing, grubbing and chipping of vegetative cover; and, removal of asbestos containing and other regulated materials from the conductive flooring material. Following confirmation that all contaminates had been removed, sites were backfilled and finished with a with top soil cover and vegetative cover.

Removal of the conductive flooring material proved most challenging in project execution. The material utilized during the original manufacturing operations on the flooring to prevent the buildup of static electrical charges. This was exposed to weathering over the years when the wooden roofs and walls of the structures were removed following World War II. This environmental weathering caused much of the conductive flooring material to degrade into a red, powder-like substance that had migrated into the surrounding soils, contaminating them with asbestos, lead, copper and other regulated, heavy metals.

In total, all 34 structures required remediation and restoration activities. Approximately 41,000 sf of conductive flooring materials and 650 cy of contaminated soils were removed from the site and disposed at permitted, off -site disposal facilities. The project was successfully completed within a ten-week schedule.



Project Value: \$1,900,000 Performance Period: 9 months Self-performed: 100% **Winter Environmental** constructed a groundwater pump and treat system located at a former chemical distribution facility. The project scope included design, construction, and commissioning of the facility.

The system design included the treatment of ground water, pH adjustment, aeration, filtration, air stripping, bio-remediation and final treatment with activated carbon.

After treatment, a portion of the treated water was injected into the aquifer at three injection points.

The construction scope included the construction of the treatment system including setting all tanks and treatment system components. Construction activities also included the installation of conveyance and discharge lines, power and communication lines, installation of recovery pumps and wellhead completions.

RAYTHEON GROUNDWATER RECOVERY AND TREATMENT SYSTEM FACILITY CONSTRUCTION AND SYSTEM INSTALLATION

LOCATION ST, PETERSBURG, FL

Project Value:W\$2,800,000RPerformance Period: 13 monthsPSelf-performed: 100%tr



Winter Environmental performed the construction of this \$2.8 million Groundwater Recovery & Treatment System (GRTS) Facility Construction and System Installation Project for Raytheon Company in St. Petersburg, Florida. The facility was designed to treat groundwater contaminated with dense non-aqueous phase liquids (DNAPLS) up to a maximum flow rate of 174 gpm. The system included cutting edge processes housed in an aesthetically pleasing, low noise, low maintenance, secure concrete block facility and site compound. It included three large custom fabricated media filtration units, chemical oxidization equipment, steam production equipment, filter press, polymer injection system, vapor phase treatment equipment, water softening equipment, dry cooler system, compressed air system, resin contact vessels, and associated appurtenances.

The 6,500 square foot building included office space, DNAPL storage, a mezzanine level, treatment equipment, process piping, and Programmable Logic Controls. The treated effluent discharged to the Pinellas County POTW. Temperature, pressure, and flow are monitored throughout the treatment chain. The treatment system is designed to be fully automated with remote monitoring capabilities. **Winter Environmental** performed all process integration work including installation of the programmable logic controller, installation of hundreds of control instruments, installation of automatic valve systems, and the installation of all alarm sensors and interlocks. Winter Environmental then provided technical support and facilities to startup and commission the system.

Winter Environmental was selected by Raytheon for the project after extensive screening of all bidders. Winter Environmental's technical capabilities, coupled with strong project controls and management protocols provided, Raytheon with a project team member sensitive to the regulatory implications of the project that has the ability to efficiently manage construction of such a complex facility.

NORTHRUP GRUMMAN CORPORATION FORMER CLIFTON PRECISION FACILITY



Project Value: \$623,000

Performance Period: 7 Months

Self-performed: 100%



Winter Environmental constructed two new soil vapor extraction systems and upgraded the existing groundwater treatment system at the Former Northrop Grumman Components Facility located in Murphy, North Carolina. The contamination on site was caused by previously removed, underground storage tanks that leaked product into the soil.

Winter Environmental installed two soil vapor extraction systems (SVE) to remove volatile organic compounds from the soil at the site of the former tank area adjacent to the facility. Winter drilled and installed 11 SVE wells and associated wellhead completion pipe and fittings, and retrofitted three additional wells for SVE. Winter also drilled, installed and performed initial sampling of seven vapor monitoring wells, Over 500 linear feet of schedule 40 pvc pipe was installed for the SVE piping lines, including all trenching, pipe fitting, testing, backfill and restoration of concrete and asphalt. Once well installation and piping was complete, Winter Environmental installed two SVE blower units. Each unit was equipped with controls that required extensive programming and mating to the existing electrical system at the plant.

In addition to the SVE system, **Winter Environmental** retrofitted an existing groundwater extraction wellhead and redeveloped an existing groundwater recovery well to provide a larger volume of water to the existing groundwater treatment system. Once all construction operations were complete, **Winter Environmental** installed a four inch asphalt cap over the SVE lines to ensure the SVE wells would pull vapor from the ground and not from faults in the ground surface. The project required constant coordination with Plant personnel to ensure that construction activities did not interrupt the ongoing operations of the facility. v.01.01.19



- 3,400-sf decontamination of boiler house
- 14,960-sf of floor tile and associated mastic
- waste transportation and disposal

Project Value to date: \$520,253 Performance Period: 30 days Manhours Estimated: 2,239 Self-performed: 100% Winter Environmental's project consisted of working in former Test Cells and Boiler houses located on the former Chanute Air Force Base (AFB). Chanute AFB was the first Department of Defense (DoD) Facility to be closed under the Base Realignment And Closure (BRAC) Program implemented by congress and the DoD. As part of the process, the DoD transferred most of the property to the village of Rantoul. Some of the former facilities are used as an educational value. The presence of asbestos regulated materials required the DoD, through it's contractor, APTIM, to mitigate the regulated materials.

The scope of the project included the decontamination of the former Air Force Base's boiler rooms, as well as the removal of window caulking, floor tile and associated mastic, pipe insulation, and Transite board.



- Abatement of 80,000 sf of boiler insulation
- Abatement of 20,000 lf of pipe insulation
- Abatement of 45,000 sf
 of tank/duct insulation
- Abatement of 65,000 sf of asbestos containing cement panels

Project Value: \$3,130,000 Performance Period: 9 months Man hours: 44,000 Number of workers: 50 Self-performed: 100% This 382 MW power plant, retired in September 2012, consisted of three coal fired boilers and associated turbine buildings and decks, precipitators, administration and contractor buildings and other ancillary buildings on site. Winter **Environmental's** scope of work included asbestos abatement of boiler insulation, tanks and duct insulation, pipe insulation, asbestos cement panels, roofing materials, gaskets and vibration dampers, as well as the dismantlement of the boilers and associated components.

Project challenges involved with the execution of this project involved performing activities at heights of up to 165 feet while working in articulating booms and lifts. Also, the dismantling of boilers and turbines, in order to access the asbestos containing insulation, was being accomplished by torch cutting. In addition to ACMs abatement, other regulated materials, such as mercury switches, ballasts and fluorescent bulbs, were included in the abatement scope. Approximately 80,000 sf of boiler insulation; 20,000 lf of pipe insulation; 45,000 sf of tank and duct insulation and 65,000 sf of cement asbestos panels were removed from the power plant prior to demolition by the prime demolition contractor.



- Abatement of 576,360 sf asbestos containing material
- Removal of critical systems' insulation throughout the facility
- Removal of 30,000 lf of pipe insulation

Project Value:

\$6,670,000

Performance Period: 13 months

Man hours: 108,000 Number of workers: 70 Self-performed: 100% **Winter Environmental** worked on this immense project for DAK Americas in Leland, North Carolina. The former DuPont plant, was one of the nation's largest producers of PET resin and polyester Fibers and monomers. The project demanded a large scope of work to be completed in a one-year schedule to allow the start of the plant demolition.

The project's working scope included the removal of thermal system insulation, tank insulation, structural fireproofing, duct insulation, floor tile and mastic, Transite panels, Transite lab hoods, caulking/glazing, and sheetrock. Approximately 70 workers working with 108,000 man hours handled the task which provided the challenges of working in both hot and cold environments in summer and winter, respectively. In total, the project includes more than 60 individual containments utilizing shrink-wrap structures, HEPA filtered air filtration devices, personnel and load-out decontamination units.

Scaffold erection and containment on each of the two large dehydration columns 185 ft high provided a challenge, but was successfully completed. Overall, scaffolding was erected in 23 separate containments. More than 30,000 lf of pipe insulation was removed utilizing aerial lifts and the glove-bag method. In total, the project included 19,700 lf pipe insulation, 25,360 sf structural fireproofing, 424,700 sf tank insulation, 68,320 sf Transite, and 57,980 sf floor tile/mastic.



• Abatement & dismantlement of 45,000 sf of materials

Project Value: \$1,528,055 Performance Period: 3 months

Man hours: 30,000 Number of workers: 40 Self-performed: 100% Winter Environmental performed asbestos abatement and select dismantling of the turbine hall, main boiler building and power buildings of the historic Bailey Power Plant, as a subcontractor to the prime contractor, ERM. Included in Winter Environmental's scope of work was the abatement of asbestos containing materials (ACMs) including thermal systems insulation, boiler and tank insulation, asbestos coated panels, cement asbestos coated panels, gaskets and vibration dampers, as well as the dismantling of select boilers and associated components. Project challenges included performing abatement activities at heights of up to 135 ft while working from within an articulating boom and crane baskets. Also challenging was accessing ACMs in the boilers. Boiler skin, turbine skin and associated ducts and components had to be torch-cut in order to access and remove the asbestos-containing insulation from each of these components. Leadbased paint and other regulated materials, including mercury switches, ballasts and fluorescent light bulbs, were included in the abatement scope.

Approximately 45,000 sf of materials were abated and/or dismantled. All work was carefully performed while preserving the historic nature of the plant and surrounding structures.



- 63,220 sf boiler insulation
 abatement
- 14,420 sf Transite insulation abatement
- 7,227 sf thermal systems insulation abatement

Project Value: \$800,000 Performance Period: 60 Days Man hours: 16,000 Number of workers: 28 Self-performed: 100% As a subcontractor to Brandenburg Industrial Service Company, Winter Environmental provided asbestos abatement at Watts Bar, the historically significant steam plant located at the Tennessee Valley Authority's (TVA) Spring City plant. Originally built in the early 1940s, the plant was the TVA's first coalfired power plant. Constructed to provide flood control and electricity, the 600 MW plant went into commercial electric power generation in 1942 and was decommissioned in 1970.

Winter Environmental's crew of 28 abatement laborers worked six days per week to comply with a compressed project schedule. In addition to the plant's historical significance, the Tennessee River location is habitat for several species of federally and state listed endangered or threatened aquatic and land animals. Great care was needed in all aspects of project execution – from mobilization to demobilization - to ensure no adverse impact was created at the plant or in the surrounding area.

In total, approximately 16,000 man hours were invested in the abatement activities with crews removing approximately 7,200 cy of boiler breaching, thermal system insulation and other identified regulated materials from five, six-story boilers located in the plant. The project was completed four weeks ahead of schedule.



- Asbestos abatement
- Galbestos panels removal

Project Value: \$780,000 Performance Period: 3 months

Man hours: 12,900 Number of workers: 25+ Self-performed: 100% Brandenburg was contracted by the TVA to abate and demolish the John Sevier Fossil Plant, which was constructed in 1957. The TVA John Sevier Fossil Plant produced 880 MW of power from 1957 until it was decommissioned in 2012. **Winter Environmental** provided abatement project management, superintendents and a work crew of more than 25 abatement laborers working five, 10-hour days per week for this project. The abatement activities consisted of the removal of Galbestos panels located 100 ft in the air located on the precipitator house, along with the abatement of asbestos containing materials in various service and administration buildings.

Asbestos containing materials consisted of TSI pipe insulation, spray applied textured ceiling, duct insulation, plaster ceiling, duct mastic, fire doors, cloth wire wrap, window caulk, window glazing, and floor tile and associated mastic. In total, 12,900 man hours were invested in the abatement activities. The project was completed on schedule and without any recordable incidents.



- Asbestos abatement
- Universal Waste Removal

Project Value: \$2,525,000 Man hours: 27,400 Number of workers: 45 Selfperformed: 100% Commissioned in the 1950's, Georgia Power retired the Brunswick, Georgia Plant McManus coal and oil-fired facility that generated 400 MW of electricity occurred in 2015. DH Griffin Company was selected to execute the plant abatement and demolition and subcontracted **Winter Environmental** to perform the asbestos abatement.

Winter Environmental performed Asbestos Containing Materials (ACM) abatement, and ACM disposal associated with the scheduled decommissioning activities, at the Georgia Power Plant McManus Units 1 and 2. The ACM abatement included the controlled removal of: boiler wall insulation; economizer wall insulation; steam header insulation; boiler gaskets; Transite panels; pipe insulation; fan gaskets; air duct insulation; pipe fitting mastic; tank/vessel insulation; vinyl floor tile and mastic; pipe flange gaskets; Transite electrical conduits; boiler plate sealant; parapet roof flashing; rubber wall base adhesive; and, exterior caulks.

This project was a total of 27,400 man-hours and 45 workers with zero recordable incidents.



- Abatement of 576,360 sf asbestos containing material
- Removal of critical systems' insulation throughout the facility

Project Value: \$629,000 Performance Period: 65 Days Self-performed: 100% This project involved asbestos abatement and site demolition of 16 structures located in metro Atlanta. Hazardous materials included removal of 300 cy of asbestos containing roofing, exterior cement soffit panels, window glazing caulking and compound, pipe insulation and resilient floor finishes. Abatement of those materials located within each facility was accomplished under full containment, utilizing negative pressure, wet methods, poly sheeting enclosures and decontamination units. Ballasts were separated into PCB and non-PCB categories. Light tubes and non-PCB ballasts were packaged and transported to the client's general services facility. Remaining PCB ballasts and mercury switches were packaged for disposal by the client.

Subsequent demolition of each structure generated 1,980 cy of building debris. 140 tons of metal debris were separated from concrete debris in order to recycle each. Metal was then transported to an off-site recycling facility and the concrete and pavement was crushed on-site for use as the base for a new parking area. Two oil/water separators were excavated and removed from the site. 223 tons of petroleum impacted soils were removed and transported to an RCRA Subtitle D solid waste landfill for disposal.



- Asbestos abatement
- Hazardous material abatement
- Lead shielding abatement
- PCB remediation

Project Value: \$1,600,000 Performance Period: 10 months

Self-performed: 100%

Winter Environmental provided multiple hazardous material abatement services as part of the decommissioning and dismantling of the former LaCrosse Boiling Water Reactor in Genoa, Wisconsin for this \$1.6M multi-faceted nuclear project. The facility was comprised of approximately 10 structures which included a 50 MW reactor. The abatement and remediation services were required to be completed in advanced of demolishing the structures.

The scope of work included the removal of asbestos-containing materials and various forms of lead materials typically used in the nuclear industry, as well as the remediation of PCB containing paint coatings installed on subsurface concrete structures scheduled to remain in place. The hazards on this project included all the typical safety hazards covered under 29 CFR 1926 Subpart A through M including Subpart T, Subpart X and Subpart Z, with the addition of those radiological hazards typical for nuclear power generation facilities. This project was executed over an eleven-month period. Total man-hours experienced on the project were 34,020.



- · Asbestos abatement
- Hazardous materials abatement
- Decontamination
- Soil remediation

Project Value: \$8,000,000 Performance Period: On-going

Man hours: 99,847+ Self-performed: 100% Winter Environmental is currently performing asbestos and hazardous materials abatement, decontamination and dismantling as part of an on-call contract with Lockheed Martin Aeronautics, Air Force Plant 6, Marietta, Georgia. Winter Environmental has been performing these services under an exclusive, on-call agreement since 2011. To date, project scopes have included the abatement of 200,000 sf of asbestos-containing materials (ACMs); 50,000 sf mold-containing material; and 40,000 sf of lead-containing materials. Approximately 30,000 lf of flight line striping has been performed, as well as 2,000,000 sf of materials removed via select interior demolition and dismantling. We have also performed the execution, transportation, and disposal of thousands of tons of soil impacted with numerous, regulated contaminants, along with site restoration.

Challenges involved with the execution of this project included working at elevated heights and ensuring that all work is performed without disruption to plant activities at the occupied facility. Detailed coordination with LMCO is essential to ensure that all safety and foreign object degree (FOD) standards are achieved in accordance with LMCO and Air Force policies. Certain task orders also require the execution of work on second and/or third shifts, and weekends and/or holidays to minimize impact on Lockheed's mission-critical production activities. This on-going project has been 100% self-performed with no recordable on-site incidents and a current project value of \$6MM.



What We Did

- · Asbestos abatement
- 41,765 sf Boiler insulation abatement
- 13,122 If Thermal systems insulation abatement
- 12,380 sf Transite panel abatement

Project Value: \$700,000 Performance Period: 71 Days

Man hours: 10,000

Number of workers: 16 Self-performed: 100% As a subcontractor to Brandenburg Industrial Service Company, **Winter Environmental** provided asbestos abatement at American Municipal Power's (AMP) Richard H. Gorsuch Generating Station. Originally built in 1951 as part of the Union Carbide complex, the nine-story plant was partially acquired by AMP in 1988 and ordered closed by the EPA in 2009. **Winter Environmental's** project scope included the asbestos abatement of six, seven-story boilers and over 1,140 cy of asbestos containing materials (ACMs).

The ACMs abated included 41,765 sf boiler insulation; exterior cement soffit panels; window glazing caulking and compound; 13,122 lf thermal systems insulation; resilient floor finishes; 12,380 sf of Transite paneling; and, existing fluorescent light tubes, ballasts and mercury switches. Ballasts were separated into PCB and non-PCB categories. Light tubes and non-PCB ballasts were packaged and transported to AMP's general services facility. The remaining PCB ballasts and mercury switches were packaged for disposal by AMP. Project challenges included working at elevated heights under windy and cold weather conditions. Abatement of ACMs located within each facility was accomplished under full containment, utilizing negative pressure containment. Fall protection systems were installed for the removal of all the regulated roofing materials, and work areas above four feet in elevation.



What We Did

- Asbestos abatement
- Removal of critical systems/insulation throughout the facility

Project Value: \$900,000

Performance Period: 4 months

Man Hours: 17,000 Self-performed: 100% **Winter Environmental** recently completed work on this project for Chesapeake Energy Center Power Plant. The scope of the work included abatement of identified asbestos-containing materials in the decommissioned 683 MW coal-fired plant. The asbestos abatement work was comprised of the removal and disposal of friable and non-friable asbestos-containing materials from Power Units 1, 2, 3 & 4; the warehouse; CT–1; CT-3 and CT-5 buildings; turbine offices; Lime Treatment building; Coal Yard Service building; Pump House; Admin building; Shops/Offices building; and, various buildings with roofing materials. These materials included caulk, window glaze, roof, roof flashing, floor tile and mastic, pipe insulation, tank insulation, duct insulation, gaskets and Transite siding.

Winter Environmental utilized its experience working in challenging conditions. Specifically for this project, such conditions included elevated work areas, mild to cold temperatures with possible humidity, wet weather conditions, and working continually in an environment containing sharp edges and corners. Winter Environmental provided adequate protective equipment and implemented procedures on-site such as daily safety meetings and intensive reporting of any and all incidents through the duration of the project. In addition, Winter Environmental secured the work areas completely at the end of each day, keeping the area free of accumulated waste and construction debris.



- Asbestos abatement
- Select demolition, decontamination, dismantlement
- Soil remediation

Project Value: \$6,100,000

Performance Period: 131 Days

Self-performed: 100%

Operated from 1947 to 2006, the Hapeville Ford Assembly Plant closed after assembling over eight million automobiles. Jacoby Development, Inc. was chosen to redevelop the 122 acre site into an "aerotropolis." The new, 6.5 MM sf mixed-use \$500 MM development would include 1.6 MM sf of retail space and 2.2 MM sf of hotel and conference space. **Winter Environmental** was selected to provide asbestos abatement, select demolition and soil remediation for the entire site. Asbestos abatement included the removal of asbestos containing materials totaling over 80,000 sf of floor tile, 50,000 lf of roofing flash material, 15,000 lf of window caulking, 65,000 lf of duct and thermal systems insulation,and 75,000 sf of roofing in the 2.8 MM sf main assembly building, subsidiary buildings and facilities. PCB containing light ballasts and mercury-containing bulbs and switches were removed and recycled, or disposed of as Universal Waste. Select demolition included extensive dismantlement of all mechanical systems.

Winter Environmental decontaminated, dismantled and recycled rooftop fan housing equipment; multiple steam boilers with associated tanks and piping; electrical switchgear; chilled water systems; extensive ductwork; and process piping. Remediation included excavation and on-site treatment of contaminated soil, backfilling of excavation areas, free product recovery and contaminated waste disposal. After stockpiling contaminated soil in treatment cells, **Winter Environmental** treated over 45,000 tons of lead-impacted soil on site. Over 57,000 tons of contaminated soil and concrete were disposed of as Subtitle D material. Ancillary activities included dewatering of excavations, backfilling, erosion control, and removal of buried pipelines.



What We Are Doing...

- Abatement & lead based
 paint abatement
- Soil remediation
- Select demolition
- Decontamination & dismantling
- Emergency mobilization & response

Project Value: \$7,600,000 Performance Period: 2003 - Present Self-performed: 100% Winter Environmental has been providing asbestos and lead-based paint abatement, mold remediation, soil remediation, select demolition and emergency response services for this high-profile utility company since 2003. Winter Environmental has been providing on-call services for this client and has successfully executed more than three hundred projects on time and within budget.

Project scopes have varied and have included abatement and demolition work in and around major regional power generation plants; substation control houses and microwave tower structures; regional offices; operating headquarters and administration offices; residential structures; and underground distribution systems. Remediation activities have included the stabilization and removal of contaminated soils and sediment and the removal of regulated wastes and recyclable materials. Emergency services have included 24 - hour mobilization to hurricane damaged facilities and mission-critical operational facilities spill and fire clean-up and mitigation of RERA and TSCA -regulated substances. Challenges faced in performing these projects included working through natural overgrowth at remotely located and or vacant properties; working at elevated heights; and working in temperature and weather extremes.



- 30,000 gallon UST removal
- Ground system installation

Project Value: \$208,000

Performance Period: 3 months

Self-performed: 100%

Winter Environmental was contracted to remove a leaking 30,000 gallon underground storage tank (UST) and install an above ground storage tank (AST) at the Hangar Facility of the Charlie Brown Airport Fueling Station in Fulton County, Georgia. Winter Environmental's AST installation portion of the project included a 12 in thick, 465 sq ft concrete tank pad, as well as a 70 ft by 12 ft concrete fuel unloading pad. The 12,000 gallon steel tank was placed using a 75 ton hydraulic truck crane. Ancillary activities included installation of a grounding system capable of carrying impedance less than 0.2 ohms in the tank pad concrete; electrical service to the tank; and, installation of ductile iron pipe to provide drainage from the unloading pad.



What We Are Doing...

- Asbestos abatement
- Lead paint abatement

Project Value: \$5,213,000 Performance Period: Ongoing

Self-performed: 100%

Winter Environmental was contracted by NASA to provide asbestos abatement and demolition services at one of the most unique and expansive places in the United States - the John F. Kennedy Space Center in Florida. The project, which involved removing more than 411,000-sf of material, required detailed and consistent coordination with the owner and their other subcontractors to complete the project in a timely manner and per the specifications.

Asbestos abatement prior to demolition Asbestos abatement on each floor was provided under full containment by installing plastic sheeting on all walls and floors, erection of personnel and equipment decontamination chambers at the egress to all of our work areas, and the installation and operation of 2,000 CFM air filtration devices in order to provide a negative air containment. All HEPA filtered, negative air was vented out of the building. The asbestos containing materials that were abated included the removal of pipe and duct insulation, and floor tile and mastic.

In total, materials removed included: sheetrock with joint compound-185,429-sf; built up roofing-41,975-sf, 6,831-sf Transite panels; 53,500-sf of floor tile & mastic; 56,368-sf of duct insulation; and, 63,290-sf of concrete expansion joints.

CANE RUN GENERATING STATION

LOCATION

LOUISVILLE, KY



What We Are Doing...

- Asbestos Abatement
- Demolition

Projected Project Value: \$11mm Total Projected Performance Period: 16 months Projected Man Hours: 150,000 Winter Environmental contracted with D.H. Griffin Wrecking Co. to provide asbestos abatement and environmental remediation services as part of the decommissioning of the six coal fired power units of Cane Run Generating Station. Work began In November of 2017 and is scheduled for completion in early 2019.

The work includes removal of asbestos containing thermal systems insulation from boilers, duct, and piping from heights up to 130 feet utilizing a combination of scaffolding, swing stage platforms, and aerial boom lift equipment throughout the interior and exterior of the building scheduled for demolition. Asbestos containing materials also include exterior cement board panels on coal conveyors and sealants at all areas of exterior weatherproofing. REFERENCES

REFERENCES

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