STATEMENT OF QUALIFICATIONS

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A2Z ENVIRONMENTAL GROUP, LLC

STATEMENT OF QUALIFICATIONS

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MISSION STATEMENT

To be recognized by our customers, ourselves and the community as providers of the best environmental contracting services in the United States – before, during and after our work.

To provide our employees a safe and pleasant environment where a profitable enterprise creates job security, opportunity for advancement and job satisfaction.

A2Z Environmental Group does not discriminate on the basis of race, age, sex, creed, religion, color, national origin, marital status, sexual orientation, handicap status, citizenship status, Vietnam era or disabled veteran status, or any other basis prohibited by law or against any other protected classes.

COMPANY PROFILE

Rita Holderby founded A2Z Environmental Group in Joppa, Maryland, October 1996. Ms. Holderby is a self-motivated individual with financial, personnel and organizational skills. She possesses 30 years experience as a “general manager”, a background in development, logistics, people, general operations, bidding, closing and negotiating contracts.

A2Z Environmental Group is licensed to do business in Maryland, Delaware, Pennsylvania, Virginia, Kentucky, New Jersey and Washington, D.C. In addition to our corporate office at 250 S. Kresson Street and maintenance facility at 311 S. Haven Street, both in Baltimore, Maryland.

Maryland Department Of Transportation – MBE/DBE, City of Baltimore – WBE, Delaware Office of Minority and Women Business Enterprise-MWBE, Pennsylvania Department Of Transportation – DBE, and Washington Metropolitan Area Transit Authority – WMATA.

The Company originally specialized in providing roll-off dumpster services. A2Z began with a 1974 roll-off truck and five roll-off containers. We now have a fleet of roll-off trucks and hundreds of roll-off containers. As A2Z continued to grow, it was able to purchase additional equipment, hire personnel who were experienced in other areas and diversify. As heavy equipment, such as bobcats, backhoes, excavators, etc. were purchased, A2Z then began to perform jobs that required excavation and demolition. With the purchase of an Extec C12 Jaw Crusher, we can now recycle concrete products. When the opportunity arose to hire employees with storage tank credentials, A2Z was able to diversify even more and perform full service underground storage tank management and non-hazardous waste handling and transportation. In 2002, A2Z acquired a new division and expanded its services even more. With the purchase of a 6,600-gallon vacuum tanker, wet/dri Vactor, Guzzler vactor, Hotsy PSI 4500, pressure washers, work boats, a Mercury vacuum, harbor containment booms and oil sorbent supplies, A2Z now provides 24 hour emergency response for any type of fuel or chemical spill on land and water.

A2Z has a fifty (50) member staff, possessing a compliment of expertise which enables the Company to safely and efficiently perform a broad range of services – from emergency response services on and off water to providing hauling services, performing selective demolition, as well as razing, clearing and grubbing, and UST removal, installs & upgrades, UST contents and surrounding contaminated soil and groundwater.

COMPANY PROFILE (continued)

We provide environmental services to organizations in both the private and public sectors. A2Z Environmental Group takes pride in its ability to provide quality services through innovation and creativity. Our philosophy of continued growth, superior customer service and employee development guarantees quality results for the customer every time.

HAULING & DUMPSTER SERVICES

A2Z Environmental Group provides the highest level of service available in the industry at competitive prices. We are large enough to meet the needs of contractors, commercial customers and homeowners, yet small enough to provide personalized service. We guarantee prompt service, friendly drivers and a commitment to customer satisfaction. We offer both on-site loading, using our own employees, and delivering a container for customers to load themselves. We have multiple roll-off trucks, as well as numerous roll-off containers of varying sizes available. A2Z also has roll-off trailers and demo trailers available as needed. Sea Containers are available for on-site storage.

Our prices for roll-off containers are quoted on an individual basis depending on content, number of containers needed and location of job site. We provide same-day service and can usually deliver a container to a job site within several hours of receiving the call.

The following are only a few of our many customers who utilize our roll-off services: Severstal, Del Monte, United Rentals, Nordstrom, Toys 'R Us, Allied Waste, Waste Management, United Progressive Builders, Baltimore City Housing Authority, Baltimore County Government, Wm Scotsman, Soil Safe, F.C.C.International and French Construction, Jos. B. Fay, Cherry Hill Construction

DEMOLITION

A2Z Environmental Group offers a wide range of demolition services throughout the Mid-Atlantic region to governmental agencies, property owners and contractors who need to clear structures quickly, efficiently and economically, yet safely. We work closely with the customer in order to coordinate schedules, safety procedures and customer satisfaction. Whether you're looking for complete razing (tearing down a building/structure), selective demolition (partial demolition

COMPANY PROFILE (continued)

and/or removal of desired materials), or interior demolition (removal and stripping of interior structures for renovation, etc.), A2Z personnel have the knowledge, expertise and equipment to get the job done right. Builders, renovators and homeowners appreciate A2Z's special, steel-reinforced containers designed to haul gravel, soil and concrete. With heavy equipment on hand, A2Z is capable of quickly clearing ground for construction or landscaping projects. We can also break up old concrete driveways and cement pads, then haul the debris away.

A2Z offers the following benefits to its many customers.

- FREE estimates, guaranteeing safe, precise, reliable demolitions.
- Reliable, fully insured, experienced, licensed, professional staff.
- Complete removal/disposal of all debris from the site in accordance with municipal/state/federal regulations. Waste
- separated and recycled where possible.
- Work performed in a clean and safe manner according to municipal/state/federal standards and regulations.
- Flexibility to accommodate your specific project's needs.
- Superior quality and service at very competitive prices.

The State of Maryland-Department of Natural Resources, Dorchester County Board of Education, MasterBuilt Companies, R. E. Crawford Construction, Linden Construction, Cam Construction, Southway Builders, Castrol, Mastercare Flooring and Capuchin College are just a few of our customers for which we have provided demolition services.

UNDERGROUND STORAGE TANK REMOVAL

A2Z possesses a preponderance of both public and private sector experiences in the removal of underground storage tanks in the Mid-Atlantic region. Clients have included the Maryland National Guard, Clean Harbors, Naval Surface Warfare Center, University of MD, Anne Arundel County Public Schools, MD & VA Milk Producers, Potts & Callahan, British Embassy and Vermont House Apartments.

COMPANY PROFILE (continued)

For conventional removals, A2Z possesses ample equipment for removing tanks ranging from small residential fuel oil tanks to the larger 30,000-gallon tanks used for industrial purposes. A2Z also possesses the equipment and training to perform in-place abandonment and customized removals. In-place abandonment involves vacuum removal of contents, de-gassing, confined space entry, tank cleaning, sample collection and filling with low strength flowable fill (LSFF). A2Z performs all these services with it's own labor force and equipment. In cases of special site settings and unanticipated obstacles, A2Z leads the local market in developing effective responses and adapting conventional equipment to the task.

In cases of leakage, A2Z performs contaminated soil excavation and removal to a disposal facility using subcontractors to delineate the extent of contamination and to perform laboratory analysis. A2Z uses subcontractors in this way to avoid any conflict of interest.

CONTAMINATED SOIL REMOVAL

A2Z is fully licensed and insured to handle the transportation and disposal of contaminated soil through a variety of methods. This flexibility provides the contractor or owner/operator the opportunity to minimize their costs without sacrificing safety of environmental protection.

A2Z drivers and operators all receive the 40-hour HAZWOPER training (and updated refresher courses) as required by 29 CFR 1910.120, and possess Class "A" CDL's with HAZMAT and tanker endorsements.

A2Z can supply aluminum end dump trailers or demo trailers, along with tandem axle dump trucks to handle projects with bulk quantities of contaminated soil. Unlike most conventional contract haulers, A2Z can provide its own construction equipment for loading the contaminated soil, should it become necessary.

A2Z gives special consideration to projects with smaller quantities of contaminated soil or projects that excavate and remove the soil over an extended period of time due to multiple sites or other contract conditions. When these situations are encountered, A2Z can spot specially designed roll-off dumpsters at the job site or facility for "will call" pick up. These containers are specifically designed for handling solid wastes, such as contaminated soil, and are equipped with liners and end gaskets to ensure that aqueous soils do not leak out during storage or transporting, as they would with conventional containers. This service affords the contractor or generator the ability to fill the container at their own pace, thereby avoiding scheduling complications, disruption of critical path activities or short load charges.

COMPANY PROFILE (continued)

For even smaller quantities of contaminated soils or similar solid wastes, A2Z can furnish and deliver 55-gallon drums to the contractor's site or generator's facility and pick them up when called to do so. For larger operations that generate small quantities of contaminated solids on a continuing basis, A2Z can provide this service with regularly scheduled pickup and delivery. If required, A2Z can provide drum storage sheds as part of this service.

Whether contaminated material is removed or collected by our forces or by others…handled in bulk, specialized containers or drums, A2Z will work diligently with the contractor or owner/operator to determine which plan of action is the most cost effective for their particular project or facility.

Current technologies for the treatment of contaminated soils allow for a variety of disposal options, involving bio-remediation, thermal destruction or one of many forms of chemical alteration. Ultimately, the soil is either destroyed or recycled into a multitude of new products.

A2Z neither owns nor operates a contaminated solid waste facility, nor is it a subsidiary of one. Accordingly, A2Z has no vested interest in any one given facility and can therefore offer to the contractor or generator the flexibility of utilizing that facility which best suits their needs and budgets.

PRECISION TANK TESTING

A2Z offers prompt dependable service and highly competitive rates for the mandatory precision testing of both existing tanks and newly installed tanks. This competitive pricing structure includes discounts for multiple tests performed at the same site on the same day.

A2Z's technical personnel currently hold and maintain certification to perform precision testing with Schuster Instruments "Tel-A-Leak I" Constant Level System (overfill method) or "U.S. Test" system (vacuum method).

COMPANY PROFILE (continued)

A2Z serves owner/operators of multiple tank storage facilities with routinely scheduled testing. Additionally, A2Z provides the following special services:

Off Peak Scheduling: For service stations that sell directly to public 24 hours a day or have tanks located under high traffic area.
Next Day Service: For contractors performing new tank installations and looking for a way to expedite contract
Emergency Response: For tanks suspected of having sustained damage from any nearby excavation, drilling, demolition or similar activities.

Among our many tank testing customers are St. Peter Claver Church, Marcor, Tidewater Inn, Taylor Manor Hospital, Easton Utilities, Carroll County Historical Society and Heritage Bank.

TANK CLEANING

A2Z provides safe, environmentally sound and economical cleaning services for tanks, vessels, vaults, sumps, oil-water separators and similar items.

A2Z's cleaning crew personnel are all trained and certified for confined space entry, in accordance with currently proposed OSHA regulations, and have received the 40 Hour HAZWOPER Training (and applicable refresher courses) as required by 29 CFR 1910.120.

Additionally, should circumstances or contract specifications require such, A2Z personnel are trained, equipped and prepared to perform their tasks in personal protective equipment (PPE), levels "A" through "D", as defined by OSHA. No matter what scope of services required, or what level of PPE they must perform in, A2Z will work aggressively to provide them in the most cost effective means without compromising safety or environmental protection. A2Z's typical services could include one or more of the following cleaning methods:

COMPANY PROFILE (continued)

Squeegee sludge and deposits to the lowest point of the tank or vessel for removal by vacuum hose and/or shoveling into drums.
High volume (low pressure) straight water rinses.
Pressure washing (low volume) with one or more of the following:

- Straight Water
- Biodegradable Cleaning Solution
- Hot Water 210 degrees @ 5500 psi
- Aggregate Induction
- Steam cleaning or steam saturation.

A2Z can also perform the following functions when confined space entry is required:

- Purging tank or vessel of toxic or irritant atmosphere.
- Continuous monitoring with LEL meters and oxygen level indicators.

When confined space entry must be made in combustible or flammable atmospheres, A2Z can inert the tank or vessel prior to entry by treating it with a hydrocarbon emulsifier/combustion inhibitor such as “No-Flash”.

A2Z also provides the following additional services:

Temporary Holding Tanks: For tanks and vessels undergoing routine cleaning, A2Z can supply skid tanks, dike tanks or vacuum tanks to hold reusable free product during the cleaning operation, then return it to the clean tank.

Temporary Operations Tanks: In the case of emergency generators or similar situations where fuel supply cannot be interrupted by cleaning operations, A2Z can supply and connect temporary skid tanks or dike tanks to allow for continuous operation.

COMPANY PROFILE (continued)

LIQUID WASTE HANDLING

A2Z strives to offer the most competitive rates possible. In order to eliminate any “hidden” charges and to provide contractors and generators with an accurate means with which to estimate future bids or budgets, A2Z provides cost proposals for bulk transport that break out mobilization costs, cost per mile to transport, cost per gallon or drum to dispose and, if applicable, material costs for drums, liners, etc. In the case of extended vacuum service, billing can be set up on an hourly rate basis.

A2Z neither owns nor operates a disposal facility, nor is it a subsidiary of one. Accordingly, A2Z has no vested interest in any one given facility and can, therefore, offer to the contractor or generator the flexibility of utilizing that facility which best suits their needs and budget.

A2Z can supply 55-gallon drums, portable drum storage sheds, drum handling equipment, over pack/salvage drums and a wide range of absorbents and containment materials.

As an additional service, A2Z will spot 55-gallon drums, temporary waste tanks, or lined roll-off containers with end gaskets at a predestined site and pick them up on “will call”. This allows the generator to dispose of short loads of waste at their own pace. A2Z is fully insured and permitted to handle the removal, transportation and disposal of your non-hazardous liquid waste. A2Z combines state of the art equipment with fully trained, certified and licensed operators in order to provide safe, environmentally sound and economical service.

A2Z drivers and operators all receive the 40-hour HAZWOPER Training (and appropriate refresher courses) as required by 29 CFR 1910.120, and possess class “A” CDLs with both HAZMAT and tanker endorsements.

A2Z operates its own vacuum trucks with non-code tanks for use with non-hazardous materials. The Company also has straight trucks and vacuum tankers with 942 CFM wet vacuum pumps and capacities from 3,500 gallons to 6,700 gallons. They also operate stake bodies and box vans with lift gates for the safe handling and transportation of drums, along with roll-off trucks for handling containers.

COMPANY PROFILE (continued)

VACUUM TRUCK SERVICES

A2Z works closely with both contractors and owner/operators to provide both the recovery and transfer of uncontaminated free product or the transportation and disposal of contaminated product, intruded ground water, sludge and deposits, or similar wastes through a wide range of collection scenarios. The Company can provide its services on an hourly rate basis that encompasses both truck and operator or a lump sum cost proposal by job so that total costs are known in advance. Either way, A2Z will work hard to provide the most competitive pricing possible. Baltimore County Public Schools, Potomac Environmental, Philip Services, Verizon, G&K Services, Miller Environmental and La-farge are only a few of our many customers.

A2Z's Contractor Service consists of:

Working with tank removal contractors to pump down tanks prior to being removed or abandoned in place.
Working with cleaning contractors to vacuum out sludge and deposits from tank bottoms during cleaning operations.
Working with site-work contractors to clean up oil, fuel and hydraulic fluid spills resulting from refueling, lube truck operations or construction equipment breakdowns.
Working with site work or remediation contractors to clean out accumulated silt from storm drain systems and out falls.
Working with remediation contractors to clean out storm management ponds and impoundments.

A2Z's Owner/Operator Service consists of:

Transfer clean product from one tank or vessel to another.
Pump down tanks or vessels prior to cleaning, change in service or closure.
Work with in-house cleaning crews to vacuum out sludge and deposits from tank bottoms during cleaning operations.
Serve as a temporary holding tank during cleaning or repair operations.
Pump off contaminated waste from retention ponds, surface impoundments, lagoons, etc.
Regularly scheduled pick-ups from holding tanks, storage basins, oil/water separators, scrubbers, and similar items that require routine servicing.

COMPANY PROFILE (continued)

EMERGENCY RESPONSE SERVICES

Customers such as Verizon, Maryland Department of the Environment, Vane Brothers, O'Brien Oil Services, Pugs Fuel, Severstal, Dann Marine Service, Potomac Environmental, Maritime Alliance and Verizon benefit from A2Z Environmental Group's rapid and focused response to environmental emergencies. Our 24-hour emergency response teams handle sudden roadway spills, storage tank leaks and more. We solve unexpected environmental problems quickly, cost- effectively, and within regulatory compliance. In order to cover your needs A2Z has a 24 hr. answering service and at least six on-call managers to serve as off- hour emergency contacts. The managers receive and implement emergency delivery orders. The contact person also ensures that qualified personnel, well-maintained equipment, and administrative support are available to deliver the services you need, when you need them. We have established a strategic communication plan, organizational charts, and contingency plans for any type of environmental emergency.

To prevent accidental exposure to the hazardous substance(s) being re-mediated, we isolate the affected area in accordance with all applicable federal, state and local regulations. When necessary, we employ a security force to ensure only authorized personnel are allowed access to the work area. These precautions prevent further spreading of the contamination and limit the liability that can result from it.

Calvert Cliffs Nuclear Plant, British Embassy, Marine Spill Response Corporation, Covan, Johnson Controls, Norton Lilly and Constellation Power are only a sample of the many companies that have benefited from our rapid response and professional handling of emergency spill clean-ups both on land and water.

Our experience includes contaminant source control and containment; in-situ and ex-situ soil treatment; excavation and removal; thermal treatment; groundwater remediation; decontamination and demolition; hazardous spills; and hazardous material transportation and disposal.

Land-based petroleum spill containment and clean-up
Water-based petroleum and chemical oil spill containment and clean-up
Complete disposal of all contaminated soil and debris in accordance with municipal, state and federal regulations
Mercury spill decontamination and air monitoring tests.

COMPANY PROFILE (continued)

Hazardous Waste Management: We offer the full range of waste services to safely dispose of a wide variety of hazardous materials, including used solvents, PCBs, and laboratory chemicals (lab packs). We can provide cost effective transport for any quantity.

Emergency Response Equipment: A2Z can meet your emergency response needs with:

Roll-off Trucks
Specialty Roll-off Containers/ Dumpsters
Tractors and Trailers
Vacuum Trucks
Heavy Equipment
Boats
Monitoring Equipment

CONTRACTOR SUPPORT SERVICES

A2Z's personnel have come together from a background of diverse experiences. It is this diversity that allows A2Z to offer such a wide range of comprehensive services to our clients. In addition to providing our environmental services, A2Z also has the equipment and qualified personnel to offer the following support services.

Contract Equipment Hauling: A2Z can meet your equipment moving needs with:

Detachable Goose-neck Low Boy Trailers
Tilt Deck Trailers (5th wheel)
Flat Bed Trucks
Roll Backs
Tag Trailers

COMPANY PROFILE (continued)

Equipment Cleaning/Decontamination: A2Z has truck-mounted and portable pressure washers for cleaning mud and caked on dirt from the tracks and undercarriage of your construction equipment prior to demobilization, as well as cleaning your equipment of all contaminated soil, liquid petroleum waste, or other contaminant, as may be encountered on any given remediation project.

Temporary Storage Tanks: A2Z can provide skid tanks to be used on the job site for equipment refueling operations or as a constant fuel supply for generators, compressors, heaters or dewatering pumps.

Specialty Equipment Services: A2Z can meet specific project requirements with:

Roll-off Trucks
Truck Mounted Generators
Tag Trailer Compressors
Specialty Roll-off Containers/Dumpsters
Extec C12 Jaw Crusher

HEALTH AND SAFETY

A2Z Environmental Group provides a safe environment on the job site and in surrounding areas. Our Health and Safety Compliance Officer, along with our Health and Safety Committee, oversees all field operations. In addition A2Z Environmental Group senior-level officers and an outside consultant conduct independent assessments of job site health and safety issues. This monitoring program is designed to be independent of field operations, and Health and Safety Officers have full authority to issue stop work orders for non-compliance with regulations.

Remediation and abatement jobs follow guidelines set forth in our comprehensive Health and Safety Plan. Supplemental, site-specific health and safety plans are developed to address work to be performed under each job order. Input from technical, operational, engineering, and managerial teams ensures that health and safety parameters are feasible and achievable for each project's scope of work. The implementation and enforcement of these plans are the responsibility of the assigned Health and Safety Officer. If a questionable or unclear situation arises, the officer is empowered to suspend all work activity associated with the concerns until the situation is resolved.

A2Z personnel maintain a safe and healthy work environment through continuing application of standard health and safety procedures, which comply with applicable provisions of OSHA regulations 29 CFR 1910 and 29 CFR 1926 as well as applicable state laws. All A2Z field personnel (as well as our subcontractors and teaming partners) who perform hazardous waste and emergency response operations train for a minimum of 40 hours as specified by OSHA Hazardous Waste Operations and Emergency Response, (HAZWOPER) standards. At least one (1) supervisor for each site receives an additional eight hours (minimum) of specialized training in hazardous waste supervision. All employees participate in regularly scheduled safety meetings.

Established protocols for protection and control are followed and enforced at each job site. These include the following: A2Z Environmental Health and Safety Manual; OSHA and State equivalent regulations and guidelines; National Institute for Occupational Safety and Health (NIOSH) guidelines; Conference of Governmental Industrial Hygienists (ACGIH) guidelines; Risk Assessment Guidelines from the U.S. Environmental Protection Agency, U.S. Department of Transportation, U.S. Department of Labor and similar state agency guidelines.

All employees driving company vehicles regulated by the Department of Transportation (DOT) must complete DOT driver qualification requirements. These employees must comply with all DOT, state and company regulations and policies including, but not limited to, driving records, insurance requirements and driver's daily logs.

Extec C12 Jaw Crusher

The totally new Extec C-12 tracked jaw crusher is set to take the world by storm. The C-12 is a crusher designed and tested using the latest computer aided design technology with initial testing being undertaken on a large selection of various types of material in Europe.

The C-12 is so advanced that is encompasses such revolutionary features as a vibratory feeder with automatic control to regulate the feed into the crusher; a hydraulic adjustment system to regulate the product size to be crushed; reverse crushing action to assist in clearing blockages; and a high crushing speed… all of which gives you higher production, cleaner products and more profit.

ENVIRONMENTAL SERVICES

POLLUTION REMEDIATION SERVICES

Emergency Spill Response On and Off Water
Hazardous Waste Spills
Bulk Transport (Liquid & Solid)
Power Plant Cleaning
Oil/Water Separator Cleaning
PCB Spill Clean-up
Mercury Clean-ups & Testing
Field Sampling
Soil Excavation
Drum Removal
Industrial Cleaning
Tank Water Treatment
Underground & Aboveground Storage Tank Removals, Installations and Upgrades
Precision Tank Testing

SITE INVESTIGATION & REMEDIATION

Soil Venting Systems
Contaminant Recovery
Environmental Restoration
Observation Well Installations
Recovery Well Installations
Dewatering Pump Installations and Repairs
Monitoring and Maintenance of Wells and Recovery Systems
Phase I, II, and III Environmental Site Assessments to ASTM Standards

DEMOLITION SERVICES

Emergency Services Available
Razing
Chimney Demolition
Small Bridge Demolition
Interior Stripping
Industrial Dismantling
Selective Demolition

MISCELLANEOUS SERVICES

Concrete Removal
- Saw Cutting
- Breaking
- Recycling

Excavation and Trenching
Earthworks-Clearing & Grubbing
Sediment and Erosion Control
Asbestos Removal
Underdrains

HAULING SERVICES

Roll-off Trucks

Roll-off Trailers

Demolition Trailers

On Site Loading

Sea Containers – On Site Storage

10, 15, 20, 25, 30 and 40 yard Roll-off Containers

10, 20 and 25 yard Water-Tight Roll-off Containers

HEAVY EQUIPMENT

Loaders
Excavators
Gradalls
Bobcats
Mini's
Scissor Lifts

PLUS A VARIETY OF ATTACHMENTS

VEHICLES

Roll-Off Trucks
Vacuum Trucks
Stainless Vacuum Trucks
Tractors
Service Trucks
Box Trucks
Flatbed Trucks
Stake Body Trucks
Crew Vans

RECYCLING EQUIPMENT

Extec C12 Concrete Jaw Crusher

CONTAINERS

10 Yard Roll off Containers
15 Yard Roll off Containers
20 Yard Roll off Containers
30Yard Roll off Containers
40Yard Roll off Containers
Sea Containers

BOATS

14 Ft. John Boat
16 Ft. Aluminum John Boat
26 Ft. Sea Hawk
21 Ft Angler

TRAILERS

Dump trailer
Petro Steel Vac Trailer
Eager Beaver Lowboy Trailers
Box Trailers, Assorted Sizes
Fruehauf Tanker Trailer
Spill Trailer
Benlee Roll-off Trailer
Fontaine Roll-off Trailer
Trailmaster
Hazmat Trailer
Aluminum Tank Trailer

SPILL RESPONSE EQUIPMENT

Spill Response containers w/ 2000 + ft. of 18" containment boom

4000 Gallon, Floatable, Towable, Bladder

Double Barrel Skimmer

MONITORING EQUIPMENT

US Test Tank Testing Equipment
Schuster Tank Testing Equipment
Photo ionization Detectors
Mercury Vac
Gas Meters (O_2, LEL, C0, H_2S)

EQUIPMENT AND MATERIALS FOR SPILL RESPONSE

4000 feet of 18" Harbor Boom

500 feet of mini boom

Assorted stock of following absorbents

Sorbent Boom (8" x 10')

Sorbent Blankets

Sorbent Pads

Oil Snare on Rope

Sta-Dri

Fiber Perl/Dicalite

Oil Skimmers

PERSONAL PROTECTIVE EQUIPMENT

Acid Suits/Hoods

Level A, B, C and D PPE

Cascade Supplied Airline System

HAZ Mat Kit

REPRESENTATIVE CLIENT LIST

AEG
APG (Aberdeen Proving Ground)
Alliance Roofing
Allied Waste
Allison Transmission –GM
Amerada Hess Terminal
American Infrastructure
Amtrak-National Railroad
Baltimore City Dept. of Public Safety
Baltimore County Public Schools
Barton Malow Co.
BG&E-Wagner Power Plant
Bishop & Associates
BlastTech Industries
British Embassy
Carroll Independent Fuel
Cherry Hill Contractors
Children's Hosp-National Medical Center
Cintas
Clean Harbors
Clean Venture
Concrete General
Constellation Power Source Generation
CSX Railroad
Dann Marine Towing
Davis Ship Service
Dixie Construction
Edgar Brooks & Son
Flanigan, P. & Sons, Inc.
G & K Services
General Ship and Repair Services
Harkins Builders
Housing Authority of Baltimore City
Honeygo Run Reclamation
Interior Specialists
Joseph Fay
Kinsley Construction
Lafarge/Mid Atlantic, Inc.
Long & Foster Realty
MCM Management Corp.
Manekin, LLC
Marcor Remediation, Inc.
Mar's Supermarket, Inc.
Maryland National Guard
Maryland State Hwy Administration
McLean Contracting
Mercier's, Inc.
Moran Towing
National Response Corp.
Naval Academy
Oakleaf Waste Management
Plexus Scientific
Potomac Environmental
Potts and Callahan
Queen Anne's County Parks and Recreation
Severstal Steel
Siemens
Six M Corporation
Spring City Electric
State of Maryland Department of Natural Resources
University of Maryland
Vane Brothers
Verizon
Waste Management
Whiting and Turner
Walter Reed Medical Army Center
Zurich Insurance Corporation

Statement of Qualifications
APHIS Waste Removal—Pride of Hawaii

A2Z

Client:

Waste Management of Florida

Type of Project:

Disposal of APHIS Waste at a Local Incinerator

Location:

South Locust Point Marine Terminal, Baltimore, Maryland

Services:

Hauling

APHIS Waste Removal—Pride of Hawaii
South Locust Point Marine Terminal

A cruise line photo of the Pride of Hawaii

A2Z was contracted by Waste Management of Florida to dispose of APHIS (Animal and Plant Health Inspection Service) waste that was on the Pride of Hawaii, Norwegian cruise Lines newest ship which sailed from Holland (where she was built) to Baltimore to take on stores and crew members on her way to Hawaii.

A thirty yard container awaits loading at South Locust Point.

A2Z had drivers who worked 12 hour days for six days including the weekend. Each type of waste on the ship was handled in a very strict manner. All food waste, because it originated in a foreign country, was loaded in containers with a tight lid that met U.S. Customs' standards. More than thirty, 30yd containers were provided to ship the waste to a qualified local incinerator. The A2Z supervisor was required to stay on site during loading operations.

Once the container left the site for disposal, the A2Z supervisor followed the APHIS waste container to the disposal site. The supervisor had a spill kit with him in case any cargo was lost. Bleach, disinfectant, brushes, contractor bags, and safety equipment were on hand to clean up any lost cargo. No cargo was lost, but if there had been, strict methodology in the cleaning process would have been followed in order to keep in line with U.S. Customs regulations.

The driver is swapping out a 30 yd. container.

Statement of Qualifications
HABCO— Hauling

A2Z

Client:

Housing Authority of Baltimore City

Type of Project:

Hauling of Demolition Debris

Location:

Various Locations, Baltimore, Maryland

Services:

Hauling

HABCO
Hauling Demolition Debris

When placing a container in the crowded city, a driver needs to be aware of his surroundings.

A2Z was contracted by the Housing Authority of Baltimore City, doing business as HABCO to provide 30 yd containers and to haul demolition debris on a as needed basis.

The HABCO job supervisor would call A2Z's dispatcher and request as many as 15 trucks to haul demolition debris from a work site to a designated landfill.

The drivers would line up on site at a pre-designated time, usually 7:00 am to be live loaded. Each driver, one at a time, would back onto the work site, lower it's can to the ground and wait to be loaded. The operator on site, a third party contractor, would then load the 30 yd container with construction debris. When loaded, the driver would load the can on it's back, and drive to the designated landfill to dump it's load. When empty, the driver would return to the work site for another load; repeating the cycle till the end of the work day.

Working in the inner city requires placing containers in tight, crowded areas. The driver needs to pay close attention to his surroundings in order to place the container safely.

Each work site was different. One site might be an emergency tear down, a single frame house, needing only 2 or 3 trucks to haul the debris for 1/2 a day. The next work site might be a housing project with 300 houses to be torn down. A project like this would require every available roll-off truck for weeks at a time. Some tear downs were single town houses in the middle of a row of houses. This type unit would require precision demolition in order not to damage the property of others. Other teardowns were complete rows of townhouses. The number of roll-off trucks required for the task would change accordingly.

Another type of hauling provided under the contract was with stationed containers at various sites throughout the city. For example, The Housing Authority of Baltimore City needed a 30 yd container placed at a housing project on Orleans St. So the driver placed the can where directed and left the can on site. The Housing Authority of Baltimore City would direct their own work crews to use these containers for disposal of construction debris removed from repair projects in the area. A2Z would have as many as 35 containers placed throughout the city for the disposal of construction debris of city repair projects. When the containers were full, the housing project agent would call to have the container emptied. A2Z would deliver an empty container and take the full container to the designated landfill for disposal. This action is commonly known as a switch out. It would be a common practice for a single driver to be dispatched from site to site for the Housing Authority of Baltimore to switch out containers throughout the city. Larger sites, such as headquarters for a city department, may have three or four cans on site, while the housing projects would only have one can on site.

Statement of Qualifications
Baltimore County-Community Clean-Up-Hauling

A2Z

Client:

Baltimore County

Type of Project:

Community Clean -Up

Location:

Various Locations Throughout the County

Services:

Hauling

Baltimore County
Community Clean-Up

A2Z is contracted by Baltimore County to provide 30 yd containers to be used for Community Clean-Ups throughout the county area. Scheduling takes place at a minimum of 30 days in advance. Usually, a representative from the homeowner's association will call Dispatch to schedule a Community Clean-Up for their community and then submit an application to the County for approval.. A Clean-Up is held on a Saturday. The number of containers allowed depends on the size of the community. A minimum of one container and a maximum of eight containers can be obtained free of charge to communities in Baltimore County if approved by the county.

Sometimes containers are doubled for shorter delivery times

The Clean-Up is usually held between 7:00am and 12:00pm. The community provides a map of their community and marks placement for the containers. Containers are delivered before the starting time, so the community can mark the cans for the type of debris. Sometimes the containers are stacked, or doubled for shorter delivery times. The debris must be separated by type. All metal products must be in one container, brush in another, general trash in another container. If the community is only allowed one or two containers, they must limit the type of debris they will accept.

Baltimore County waives dump fees for Community Clean-Ups.

A2Z will deliver the containers where directed. If a problem arises, the A2Z driver will contact the person in charge and work with them to rectify the situation. At the larger Clean-Ups, the A2Z driver will stay on site to assist. As the containers are filled, the driver will remove them from the site.

If the container contains metal, the container will be taken to a scrap yard for recycling. If the container contains brush or trash, it will be taken to Eastern Landfill in White Marsh for disposal. Baltimore County waives the dumping fees for all Community-Clean-Ups. After dumping the container, it is returned to the Joppa yard. This pattern is repeated until the clean-up is completed. The communities can use the containers until 12:00pm, then they are dumped at the landfill and returned to the yard.

Statement of Qualifications
BlastTech - Concrete Crushing-Recycling

A2Z

Client:

BlastTech

Type of Project:

Crush Existing Concrete into a Recyclable Product

Location:

Van Deman Street Baltimore, Maryland

Services:

Demolition

Hauling

Concrete Crushing

BlastTech
Concrete Crushing-Recycling

Manufacturer's photo of Extec C-12

After the demolition phase was completed, the concrete crushing phase began.
The C-12 was designed using the latest computer aided design. The C-12 is so advanced that it uses features such as a vibratory feeder with automatic control to regulate the feed into the crusher; a hydraulic adjustment system to regulate product size and a reverse crushing action to assist in clearing blockages. These features were all advantageous during this project. A2Z was contracted by Blast Tech to crush the existing foundation and concrete walkway using our Extec C-12 Jaw Crusher. Mountains of crushed concrete were produced during the crushing operation. The crusher was set up next to a pile of concrete to be crushed. A 40 yd container was placed on the site to hold the discarded rebar. Huge blocks of concrete were reduced in size with breaker bars installed on an excavator. The rebar was removed and the remaining concrete was stored in piles for crushing. The piles of concrete were then fed into the crusher and crushed into the size of product needed. The crushed concrete was stockpiled and stored in piles according to their size. Some of the stone was used at another part of the property. Most of the recycled concrete was used as backfill for the basement area.
What started out as a 60,000 square foot building, ended up as a large flat lot which was graded so construction could begin.

BlastTech concrete crushing in action.

Statement of Qualifications
BlastTech—Demolition

A2Z

Client:

BlastTech

Type of Project:

Demolition of 60,000 Square Foot Building

Location:

Van Deman St., Dundalk , Maryland

Services:

Demolition

Hauling

Concrete Crushing

BlastTech
Demolition

A 60,000 square foot building to be demolished.

A2Z was contracted by Blast Tech to demolish a 60,000 square foot building that once housed Federal offices, such as the FBI and CIS, a Naval investigation service that predates NCIS. A2Z applied for and obtained all permits for sediment control, asbestos abatement and demolition. We began the job by removing all trees and vegetation in order to install silt and super-silt fence which was required for the erosion plan.

The building was vacant for several years before the demolition project began. Being vacant for so long meant there was an open invitation to vagrants and pests to call this place home. The vagrants brought in lots of trash and the pests made their home in the trash. We removed all the unwanted trash from the building. Tailgate safety meetings were conducted throughout the demolition project. The building had to be stripped of interior mechanics before being raised, to facilitate clean rubble before the concrete crushing phase could begin. A2Z crews were brought in to start the interior demolition. The first part of the interior project was to expose areas containing asbestos. Asbestos abatement was facilitated by a sub-contractor.

Once exterior demo started, separation of materials was paramount.

The drop ceilings and drywall was stripped out and the metal framing was recycled. Interior doors and windows were removed. A building of this size shouldn't be stripped out haphazardly. The work was done in an organized manner, with the work area expanding methodically. The crews worked from the peripheral edge toward the center. Working in that manner allowed several crews to work without interference from each other. Safety always comes first. Once exterior demolition began, separation of materials became paramount. Every inch of rebar was cleaned and recycled. All metal window frames, pipes, conduit, ductwork, light fixtures and all other metals were recycled.

A geotechnical engineering company was brought in to inspect the existing foundation to see if it was compatible with the new building to be erected on the site. There were inconsistencies, so the foundation was removed.

Tailgate safety meetings were held daily

Statement of Qualifications
Union Hospital - Elkton, Maryland

A2Z

Client:
Richard E. Poole

Type of Project:
Demolition and Remediation of Contaminated Soil

Location:
Union Hospital
Elkton, Maryland

Services:
Environmental
Demolition
Hauling

Union Hospital
Elkton, Maryland
Demolition and Contaminated Soil Remediation

A2Z was contracted by Richard E. Poole, General Contractors, to demolish an old Southern States building and haul away all materials associated with the demolition. The property had been purchased by Union Hospital in order to enlarge their facilities.

Union Hospital started as a straight demo job.

Union Hospital in Elkton, Maryland began as a standard demolition project. It turned into a job that required the expertise of employees in all three divisions of A2Z Environmental Group--Demolition, Environmental and Roll-off.

After several weeks of demolition work performed by A2Z's demolition crew, they noticed that the soil below the building was omitting an odor of fuel. One of our environmental specialists was called in to retrieve samples and send them for analysis. After having the soil tested it was found to contain numerous contaminated materials. This turned into an environmental cleanup for A2Z. A second excavator and a rubber-tired loader were brought in to the jobsite to quicken the pace of getting rid of the materials. We excavated the materials and hauled them away with A2Z roll-off trucks. Approximately two thousand tons of diesel range organics contaminated soil were removed and disposed of at a local soil recycler.

A hidden molasses pit was discovered. It had to be removed.

There was also a hidden pit that needed to be removed. However the pit was filled with a thick, foul smelling liquid. The liquid turned out to be blackstrap molasses that was used as a flavor enhancer for cattle feed. After years of underground storage, the sugar content of the molasses had fermented, turning the once sweet molasses into a pungent alcohol-laden mess. A vacuum truck and tanker were brought in to perform this work.

Union Hospital and the General Contractor, Richard E. Poole, while not pleased with all of the extra change orders, were very pleased with all the hard work, efficiency and professionalism displayed by A2Z Environmental Group as a whole. Working together as a team, A2Z was able to complete the job to everyone's satisfaction.

Statement of Qualifications
APHIS Waste Removal and Decontamination

A2Z

Client:
Maritime Alliance

Type of Project:
APHIS Waste Removal and Decontamination of Overseas Container

Location:
Baltimore, Maryland

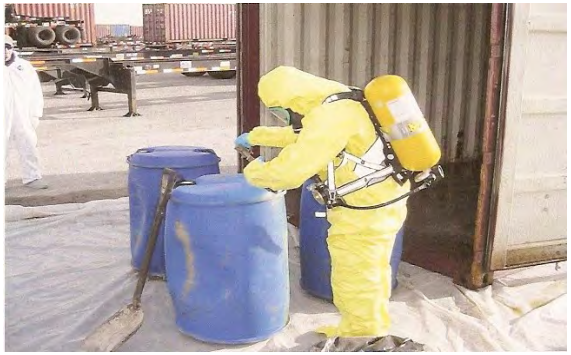
Services:
Environmental Hauling

Dundalk Marine Terminal
African Food Trailer Decontamination

A2Z Environmental Group was contracted by Maritime Alliance to decontaminate container that had been shipped out of Africa. As the container was going through inspections, foods that were not allowed to be shipped into the United States were discovered. The shipment was refused and it sat in the trailer for three years before being released for cleaning. A2Zs' HAZMAT team assembled and planned a proper decontamination methodology. All wastewater from cleaning had to be reclaimed for disposal and could not be released into the environment. The spoiled foodstuffs were to be sent via a roll-off container to Baltimore RESCO on Russell Street, a U.S. Customs approved facility for incineration of APHIS waste, for direct incineration.

The container contained a pile of rotting vegetables and grains

A piece of Polyethylene sheeting was placed beneath the container. The container was opened and allowed to air out for approximately 45 minutes while the team assembled the necessary gear. The roll-off container was placed within three feet of the APHIS container doors and the team shoveled their way into the trailer. Clay absorbent was used to cover the floor as the team entered to promote drying and prevent contamination from being carried outside. Cans were punctured with a chisel so they would not create a steam hazard at the incinerator or an overpressure explosion. The dried floor was swept as the team advanced and more clean absorbent was applied. The absorbent was ground into the cracks and crevices to dry the area. The clay was then swept up and placed into the roll-off container.



Supplied fresh air was used while opening drums due to the contents being unknown. No labels were found anywhere on the drums.

Three 55 gallon poly drums were found buried under the bags of grain and boxes of groceries that ranged from shrimp to bouillon cubes. The drums were uncovered and checked for leaks. They were then removed to the rear of the container and decontaminated with dilute antibacterial solution. In order to obtain samples for an on site analysis with the HAZCAT kit, a HAZMAT technician was suited up in a Level "B" PPE and opened the drums that had been moved outside, The material was tested and identified as a hydrocarbon based wax with a cooking oil additive or additives. After determining these drums to be non-hazardous, they were labeled and the site was secured. The container was sprayed down with Zeo Antibacterial cleaner and allowed to soak overnight for maximum effectiveness. All tools used in the cleaning process were sprayed and soaked overnight in the container.

Statement of Qualifications
APHIS Waste Removal and Decontamination

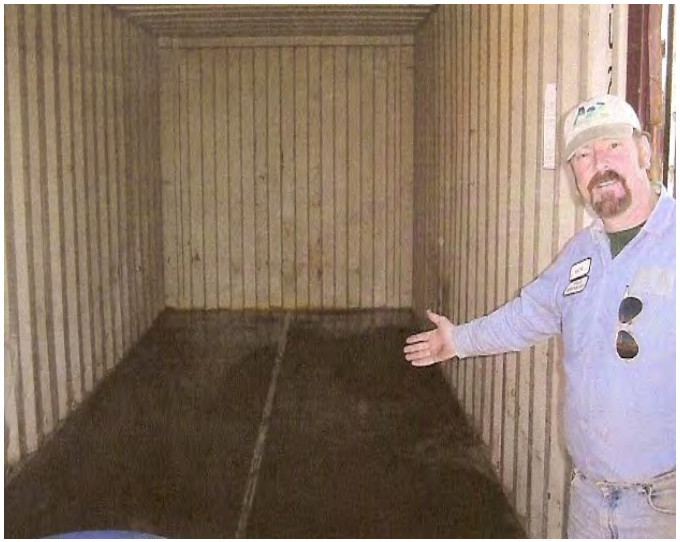
A2Z

Client:
Maritime Alliance

Continued

Dundalk Marine Terminal
African Food Trailer Decontamination

An internet search helped to reveal the identity of the unknown. A search was conducted on “African Waxes” and revealed a substance called Sunflower Butter. This material contains: beeswax 60-70%, soybean oil 15-20% and sunflower seed oil 15-20%. This is a very close match to the HAZCAT kit results. When the crew arrived back on site, the container was again ventilated. The spaces inside, especially the floor, were still damp. The container was jacked so that lumber could be placed on three sides allowing for control of wash water by creating a pool in one corner of the container. Absorbent boom was placed outside to create a pool out of the poly already in place in case of leakage during washing. The container was washed several times with hot and cold water. It was re-sprayed with the antibacterial agent and washed again. The spaces were dried with compressed air and then air-dried for one hour. A visual inspection was conducted, and then orange based deodorizer was applied. The marine surveyor from Maritime Alliance was contacted to inspect. The container passed inspection. The last order of business was to strap the drums of Sunflower butter and move them to a storage shed to await disposal.



The container is complete.

Statement of Qualifications
Mercury Spill Clean Up and Verification

A2Z

Client:

International Steel Group

Type of Project:

Mercury Spill Response

Location:

Sparrows Point, Maryland

Services:

Environmental

International Steel Group
Mercury Spill Clean Up and Verification

A2Z received an emergency response call from International Steel Group regarding a mercury spill in a pit at High Head #2 Pumping Station. An estimated 6 to 10 fluid ounces of mercury had spilled out of a broken flow gauge. A2Z sent their field chemist to survey the spill. A crew was dispatched to begin cleanup using a Minuteman MRS-3 Mercury Vacuum. The levels of mercury vapor measured at the man way of the pit were so high that the confined space attendant had to wear a respirator in order to keep an eye on the entrant without being exposed to the vapors.

A view of the spill before starting cleanup

The pit entrant, wearing a level "B" (Supplied Fresh Air) suit vacuumed up all visible mercury from the floor and disposed of all loose debris and dirt from the pit. After a second and third vacuuming, mercury indicator powder was sprinkled onto the floor to find any traces. The space was ventilated throughout the day using two fans and ductwork in order to create air changeovers. After applying the indicator, the space was closed up and left to sit overnight.

Ventilating the pit with a suction and a blower fan

The crew returned to check the powder and vacuum up any mercury indicated. The mercury had been on the concrete floor long enough to corrode the surface and coat it. A wire brush was used to remove the coating and mercury amalgamator was used to gather any small beads created by this process. The space was again ventilated throughout the day. A level gauge was removed from the pit that contained several pounds of mercury. It was disassembled and disposed of.

Decontamination area

An additional 4 to 6 ounces of mercury were found in a sump. The sump contained several inches of water and sludge. A2Z used a shop-vac to vacuum up the water sludge. The mercury was left behind to be removed with the MRS-3 Mercury Vacuum.

After the mercury was removed, the pit was still showing high levels of vapor. After ventilating the pit for 30 minutes new readings were taken. It was decided to install a ventilation fan on the stove pipe. While the ventilation fan was on, levels were below the TWA (time weight average). ISG instructed workers that had to enter the pit to ventilate the pit for thirty minutes before entering. ISG decided to bring the controls above ground and stop entry altogether.

Statement of Qualifications
HAZ-MAT Spill Clean Up

A2Z

Client:
Landstar Trucking

Type of Project:
HAZ-MAT Spill Clean Up

Location:
Jessup, Maryland

Services:
Emergency Spill Response
HAZ-MAT Spill Clean Up

Landstar Trucking
HAZ-MAT Spill

The load shifted and liquid was leaking through the floor.

A2Z received a call approximately 9:00pm from Landstar Trucking stating that liquid was leaking from a box trailer at the Jessup Truck Stop, in Jessup, Maryland. A six man crew was dispatched to assess the situation and begin the clean-up process.

When the crew arrived they were confronted with a 48' box trailer with liquid dripping through the floor and from under the rear door. The shipment was approximately 354 five gallon buckets of professional dry cleaning fluid. The load had shifted while being transported and some of the dry cleaning fluid was leaking out. The odor was strong enough to warrant level "B" supplied air respirators. Poly sheeting was spread out in a clear area for placement and inspection of each 5 gallon bucket of dry cleaning fluid. The buckets, one at a time, were removed from the trailer and inspected for damage.

Level "B" supplied air respirators were required.

Each bucket was then cleaned and placed on the poly sheeting, for safe keeping, until they could be reloaded into the trailer. As floor was exposed, the area was mopped with soap and water to decontaminate the trailer. Only two buckets leaked. They were placed in drums and sealed for disposal.

The underside of the trailer was cleaned where the fluid leaked through. When the cargo was completely unloaded, the trailer was again mopped with soapy water and allowed to dry.

Under the Landstar driver's supervision, the trailer was then reloaded with the buckets. This time the buckets of dry cleaning fluid were loaded with a much lower center of gravity, so the load was less apt to move.

When the driver was satisfied with the clean up and reloading, all equipment was removed, the area policed and debris was taken away for disposal.

The buckets were stacked on poly sheeting.

Cleaned, reloaded and ready to go.

Statement of Qualifications
Oil Spill and Contaminated Soil Remediation, Basement

A2Z

Client:

Southern Maryland Oil

Type of Project:

Home Heating Oil Spill Clean Up and Contaminated Soil Remediation

Location:

Upper Marlboro, Maryland

Services:

Environmental

Hauling

Southern Maryland Oil
Home Heating Oil Spill Clean Up and Contaminated Soil Remediation

A2Z was contracted by Southern Maryland Oil to clean up a spill of 319 gallons of home heating oil in the basement of a home in Upper Marlboro, Maryland. The bulk of the oil had already been pumped out of the basement. An A2Z Environmental crew arrived to clean up the remaining oil. Oil-dry was worked into the concrete floor to remove the oil from the surface and the cracks and crevices. Because of the odor, the home had to be ventilated. Two carpet dryers were brought in to ventilate the house. Using a PID (photo ionization detector) it was determined that oil had worked it's way under the concrete.

Another test area comes up hot.

Oil can be seen floating in the test area.

During the night there was a rain storm and the sump pump failed, resulting in a flooded basement with oil floating on the top. A vacuum truck was brought in to reclaim the 2,976 gallons of oily water. The product was taken to a local oil recycler for disposal.

The floor was cleaned with detergent and hot water. The PID still showed the presence of oil. A five man crew was brought in to drill 30 pilot holes to check under the concrete for oil. The PID measures TPH (total petroleum hydrocarbons) in parts per million. Every hole was "hot", meaning the reading was above 75 ppm per hole.

A concrete saw and jack hammer were used to cut out six 3'x3' squares, as test holes, to get a visual under the concrete. Two air movers were used to remove the dust. There was free oil in each area. It was determined that the complete floor and the contaminated soil below had to be removed. The concrete floor was broken up with jackhammers and the debris was carried out in buckets to be loaded into roll-off containers. It took three containers to complete the concrete removal. The concrete was taken to a local recycler for disposal. Below the floor was a layer of pea gravel. The pea gravel was saturated in oil; there was no way to reclaim it. The gravel and soil were removed by hand digging and using a wet/dry Vactor truck to vacuum the debris. It was then loaded into 20 yd containers that were lined with a poly liner. The soil was later taken to a local soil reclamation facility for recycling. It took three weeks of digging to get the oil level below Maryland Department of Environment's limits. A total of 131 tons (11 loads) of contaminated soil were removed and recycled.

The walls in the basement were oil-soaked from the spill. To remove the oil, a heat gun was used to heat the area in order to draw the oil out so the walls could be scrubbed with a strong detergent and hot water. This was repeated several times. When the oil was completely removed and the walls washed clean, a coat of masonry paint was applied to seal the interior walls of the basement. Ninety-nine cubic yards of Flo-Ash were installed to replace the soil and gravel that were removed.

Statement of Qualifications
Report Writing For Spill Clean Up
And Decontamination Documentation

A2Z

Client:

International Steel Group

Constellation Power Source

Dundalk Marine Terminal

Type of Project:

Gross Decontamination and Disposal

Mercury Spill Response

Low Level Radioactive Decontamination and Disposal

Types of Documentation:

Photographic

Logged Meter Readings

Written Reports

Report Writing For Spill Clean Up
And Decontamination Documentation

A2Z Environmental Group, LLC provides report documentation for spill clean up and decontamination upon request. Meter readings verifying clean up are provided. Meter readings for health and safety are charted by date and time. Photographic images using a digital camera are provided to document step-by-step progress of remediation actions.

Detailed photos are included to document the progress

Detailed written reports are blended with the above mentioned media for a complete documentation diary of the worked performed.

State and/or Federal requirements are included in the report to assure compliance with all regulations regarding the work performed. All correspondence with regulatory agencies is also documented and included.

Constellation – Gould Street
22 Foot level Mercury Spill Clean Up
Vapor Readings 11-10-04

Location	1st Reading	2nd Reading	3rd Reading	Average Reading
At steps	0.003 mg/M^3	0.026 mg/M^3	0.000 mg/M^3	0.015 mg/M^3
In front of Tank	0.086 mg/M^3	0.048 mg/M^3	0.050 mg/M^3	0.061 mg/M^3
Near desk by Caustic	0.010 mg/M^3	0.003 mg/M^3	0.011 mg/M^3	0.008 mg/M^3

*Readings at Start of day

Meter readings for health and safety are charted.

Sample reports are available for review upon request.

Step by step photos are included

Digital diaries are kept.

Statement of Qualifications
ISG #6 Fuel Oil Tank Cleaning

A2Z

Client:

International Steel Group

Type of Project:

#6 Fuel Oil Tank Cleaning

Location:

Sparrows Point , Maryland

Services:

Environmental

Hauling

International Steel Group
#6 Oil Tank Cleaning

A2Z was contracted by International Steel Group to clean a three million gallon #6 fuel oil tank. The tank needed to be gas-free in order to expedite needed repairs that included welding and burning. The tank contained 200 thousand gallons of #6 fuel oil that had to be transferred before cleaning. The job was contracted for a fixed price to be completed in eight weeks. If the job took longer, A2Z had to absorb the additional cost. If the job finished early, there would be a bonus paid.
Number six oil is very dense oil that doesn't flow very well. A six man crew containing operators and technicians arrived to transfer the oil using vacuum trucks and vacuum trailers on site. The transfer operation was completed in two weeks.

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Once the bulk of the #6 fuel oil was vacated, there was a thick residue of #6 fuel oil stuck to the walls and floor of the tank. This residue was too thick to pump. Number two oil was used to cut, or dilute the #6 fuel oil. It was sprayed and worked with squeegees very methodically in order to cut the oil for removal. Two five man crews worked around the clock, on 12 hour shifts to expedite the removal of the oil. It took two weeks to remove enough oil to allow surface cleaning of the tank.

A vacuum truck, vacuum tanker and power washer like these were used to clean the #6 oil tank.

During the washing stage, a 3500 PSI hot water pressure washer was used to clean the tank. The complete floor and 8" of the walls needed to be clean enough to pass a gas-free test. The oxygen level must be 20.9 or higher and the LEL (Lower Explosive Limit) read less than 10%. To achieve this level hot water was used to wash off the oil. The two five man crews worked around the clock washing and removing the rinsate. The rinsate was taken to an oil recycling company on the grounds of International Steel Group for recycling. No disposal left the site.

A Marine Chemist was brought in to inspect the tank five weeks after the job started. A certificate was given as the tank passed inspection on the first test. The job was completed three weeks early.

Statement of Qualifications
Verizon—-Various Sites

A2Z

Client:

Verizon

Type of Project:

Separator Maintenance

Hazardous Waste Disposal

Emergency Spill Response

Location:

Fairfax County, VA

Seat Pleasant, MD

Services:

Environmental

Verizon—Various Sites

A2Z was awarded a three year contract with Verizon, Inc. to maintain and clean their oil/water separators in Maryland, Delaware, West Virginia and Washington, DC. An oil/water separator is a tank that is located in the ground. Its' purpose is to have oily water enter the tank, where the oil is trapped within the tank, and the water is sent down the storm drain. Periodically these separators need to be pumped out. When called A2Z sends a three man crew consisting of a supervisor, a tech and an operator, along with a vacuum truck and power washer. They vac out the separator and power wash it to make sure it's clean and in proper operating order.

A2z is under contract with Verizon to handle their emergency spills. The spills are sometimes small, hydraulic oil spills. They require a crew of two to four men who arrive at the scene. They will contain the spill. A2Z's crew removes the oil from the spill area and dries the area with oil-dry, a clay absorbent to remove any oil from the surface.

A small, two man spill in Seat Pleasant, Maryland

A larger spill in Fairfax County , Virginia required 4 men to clean the oil from the ground

Statement of Qualifications
Constellation—Low Level Radioactives-Disposal

A2Z

Client:

Constellation Power Source

Type of Project:

NORM Disposal and Low Level Radioactives Decontamination

Location:

Brandon Shores, Pasadena, Maryland

Services:

Environmental

Hauling

Constellation—Brandon Shores
Low Level Radioactives—Disposal
And Decontamination

Emptying the original container.

A2Z was contracted by Constellation Power Source, Brandon Shores Power Plant to dispose of a 30 cubic yard roll-off container of NORM (Naturally Occurring Radioactive Materials). The container was loaded with scrap steel and was approaching the scale when it set off the alarm for radiation. The local scrap steel recyclers have a radiation detector installed at the entrance of their scale.

The container had to be decontaminated..

Testing determined that the radioactive material was from coal dust that had been introduced into the roll-off container. The scrap metal could have been coated with coal dust when loaded into the container. Radioactivity is naturally occurring when coal is burned. Small amounts of radioactive materials will accumulate.

An excavator was used to off-load the contents.

The container had to be off-loaded one piece at a time. Each piece had to be checked with a Geiger counter to determine the level and source of radiation. After off-loading the scrap into a different container, the original container was found to have coal dust caked on the bottom. The coal dust was vacated and the container was decontaminated by washing with soap and water.

After contacting Pennsylvania Department of Environmental Protection and the Nuclear Regulatory Commission, permission was granted to landfill the NORM waste. The load was transported to and disposed of at Modern Landfill, in York, Pennsylvania.

Statement of Qualifications
Hydraulic Oil Spill Clean Up

A2Z

Client::
Andrews Air Force Base

Type of Project:
Hydraulic Oil Spill Clean Up

Location:
Camp Springs, Maryland

Services:
Environmental Hauling

Andrews Air Force Base
Camp Springs, Maryland
Hydraulic Oil Spill Response and Clean Up

A vacuum truck was used to reclaim the wash water.

A2Z received a call to respond to a hydraulic oil spill at Andrews Air Force Base in Camp Springs, Maryland. The oil was spilled on the roadway and on two other places in a grassy area. A2Z responded with a five man crew, vacuum truck, a roll-off truck with a roll-off box containing a mini excavator and a pressure washer unit.

The first crew to arrive began sweeping up sand that had been placed on the oil by local response. The second crew brought the pressure washer. Pictures were taken to document clean up.

Power washing the area removed the spilled oil from the surface.

A degreaser was applied to the road surface to help with the removal of the oil on the roadway and was then pressure washed. The vacuum truck was set up to recover the oily wash water. Temporary dykes were set up using bricks, lumber and leaves found on site. All debris from the dykes was disposed of in the roll-off container along with the contaminated soil. As the roadway began to dry, it became apparent that the wash was effective in removing the hydraulic oil from the roadway. The soil clean up was verified using a PID (Photo-Ionization-Detector). This instrument displays total organic content in parts per million of air/ contaminant. Holes were driven in the ground to create voids so that the PID could detect “soil gases”. This instrument is sensitive enough to detect organic decay from vegetables rotting. The instrument showed 0 ppm difference between the spill area and a “control” area where normal background organics could be measured.

After testing, all equipment was packed up and the area was again checked to assure it was clean. After receiving approval for disposal, the soil was transported by an A2Z roll-off truck to a landfill in Pennsylvania that is permitted to landfill low content oily soil and debris.

Statement of Qualifications
UST Tank Testing

A2Z

Client:

City of Baltimore

Type of Project:

1000 Gallon UST Tank Test

Location:

Department of Transportation, Edmonson Ave., Baltimore, Maryland

Services:

Test 1000 Gallon UST for Recertification

City of Baltimore
Department of Transportation
1000 Gallon UST for Waste Oil

A2Z was under contract with the City of Baltimore to test 216 of their Underground Storage Tanks (UST) for recertification to make certain the tank met industry standards for Maryland Department of the Environment. A2Z's tank tester arrived at the site and advised the director he was ready to start testing the waste oil tanks for leaks. The level of waste oil in the tank was checked, The tank was full. They had prepared properly for A2Z to perform the test. The equipment used today is Tel-A-Leak, which consists of a temperature probe and a test column. A deflection was needed on the ends of the tank.

A temperature probe and test column are put into the tank.

To do this, the tank tester must raise the pressure in the tank. This was accomplished by using the following formula. The tank tester took the diameter of the tank, (48 inches), added the length of the fill tube, (36 inches) and multiplied it by the PSI of the product in the tank. Waste oil is .031 for our purpose D+LxP=PSI or (48+36) x .031 = 2.604 PSI. A2Z installed the test column directly into a manifold system and raised the column an additional 47 inches to create a positive 4 PSI. This is a requirement per industry code. The testing process actually began when the first test column was filled with additional diesel fuel, and allowed an additional 15 minutes to see if the UST would begin to build pressure on it's own. The key to the 15 minute time frame is that the manifold valve will have product coming out of a "double A" valve. Once this occurs, we know that the system is building pressure on it's own. However this doesn't mean the UST would pass the precision test.

The tank should be filled to the maximum for a Tel-A-Leak precision test.

The next step in the testing process was to take liquid readings from the test column and temperature readings from the temperature probe in the UST for one hour. This resulted in a system failure. The system was losing 3 lines per minute, which constitutes a leak rate of .612; the threshold number for failure for this tank is .05 or 189 ml. The tank had to be excavated to expose the tank and its parts. After testing the tank only, it was determined that there was a leak in the remote fill pipe and the vent pipe.

A2Z installed a new remote fill pipe and vent pipe, backfilled the area and installed a new concrete pad, and then retested the system. The new test showed that the tank was now within industry code. A recertification was granted.

Statement of Qualifications
Clearing and Grubbing

A2Z

Client:

Joseph B. Fay

Type of Project:

Clearing and Grubbing

Location:

Interstate 95, Cowenton Road Overpass

Services:

Excavation

Hauling

Joseph B. Fay
Clearing and Grubbing

A2Z was contracted by the Joseph B. Fay Company to clear and grub six acres of land at the Interstate 95, Cowenton Road overpass. The targeted completion rate was four to six days per acre.

At the Cowenton Road overpass, the northbound lane is in the foreground.

The scope of the job required removing all vegetation within the limits of disturbance to the satisfaction of the project engineer. This included any existing fencing and the removal of all debris. The site was left in a rough grade condition, ready for excavation.

Before the job could start, Miss Utility was contacted, so all underground utilities could be marked. The utilities were located before the digging or excavating could be started.

Along the limits of disturbance, the roots and vegetation need to be protected.

A three man crew arrived along with an excavator, bobcat and power tools needed to complete the contract. The crew checked to make sure all erosion control devices were in place, then they started at one end and methodically worked their way to the other, removing all vegetation as they went. All marked trees in the work area had to be saved per the site plan. All large trees had to be topped off if they were near wires or buildings. Along the limits of disturbance the roots had to be cut with a chainsaw to protect adjacent private property. All existing stumps were also removed. A root rake was used to pick up small debris.

The crew participated in daily tailgate safety meetings. The worksite contained several different crews, and everyone needed to be aware of their surroundings to assure the safety of everyone.

All debris including trees, shrubs, roots, stumps, all vegetation and existing fences were loaded into 30 yard containers hauled by A2Z's fleet of roll-off trucks. The trash and fences were disposed of at a local landfill. The recyclable vegetation, including trees, roots, stumps and bushes went to a local recycler where it was ground into mulch.

Statement of Qualifications
AMPD, Baltimore Anchorage

A2Z

Client:

National Response Corporation

Type of Project:

(AMPD) Average Most Probable Discharge

Location:

Baltimore Anchorage, Baltimore, Maryland

Services:

Proactive Spill Response During a Lightering

AMPD
Baltimore Anchorage, Baltimore, Maryland

Average Most Probable Discharge or AMPD is a service A2Z provides to shipping companies. A tanker or barge will come into the Patapsco River, headed to Baltimore, but the draft of the vessel is too deep for the harbor. The vessel needs lightering or to lighten the load to raise the draft shallow enough to allow access to the destination desired.

This tanker is lightering.

As a precaution, coverage is provided to tankers and barges while lightering. A2Z will go out to meet the tanker, having 2000 feet of boom, floatable, towable, bladders, skimmers and a pump to pump the spilled product to the bladders available for delivery within one hour. A2Z will remain on site until lightering is complete. This can take from 12 hours to as much as 36 hours to complete.

Ready to launch for the AMPD.

A phone call will activate a four man crew. They will meet at a launch ramp close to the anchorage area. The crew will launch A2Z's 26 foot boat, have 2000 foot of boom, skimmers , floatable, towable bladders on hand and make their way to the lightering.
They will remain on site until the lightering is complete. Then they return to the launch ramp, reload the boat, store all supplies and return to the yard. If a spill had occurred, they were ready to handle the situation.

The container of boom, ready for use.

Statement of Qualifications
Removing Algae From Cooling Pond

A2Z

Client:
Mittal Steel
(RG Steel)

Type of Project:
Removing Algae From Cooling Pond

Location:
Sparrows Point, Maryland

Services:
Boom Service

Mittal Steel
Removing Algae From Cooling Pond

A2Z received a call from Mittal Steel explaining the cooling pond was being overrun with algae. It was endangering the cooling system in place. Our services were required to remove the algae from the pond. We sent a five man crew to assess the situation and begin work. It was determined that the best way to remove the algae was to corral the algae using boom and pumping the algae to higher ground to die.

Boats were used to pull boom to gather the algae so it could be fed to the pumps.

Two boats were brought in along with several thousand feet of boom and two pumps to remove the algae.

Boom was used to corral the algae so it could be pumped out of the pond.

An operator mans the pump to insure the flow stays on high ground.

The algae was corralled to a section of the pond away from the outfall and water intake. It then had to be raked to a 4" diaphragm pump for removal. The algae didn't pump readily; it had to be fed into the inlet hose manually with rakes. During the latter stages of removal, the algae - water mixture was thin enough that the algae would flow back into the pond. Our drivers delivered several of A2Z's 30 yard roll-off containers to the site. Liners were put in the containers and the algae-water mixture was pumped into the them. When the containers were full, they were allowed to drain. The algae remained in the container. When the water drained off, the containers were refilled. This procedure was repeated until the container was full of algae. The algae product was then dumped onsite at the landfill located at the far side of the Mittal Steel property. This procedure continued until the weather cooled and algae growth was no longer a threat.

Workers rake the algae to the pump intake.

Statement of Qualifications
MSRC Training Exercise for Equipment Deployment

A2Z

Client:

Marine Spill Response Corporation

Type of Project:

Training Exercise for Equipment Deployment

Location:

Sandy Point, Maryland and Baltimore, Maryland

Services:

Emergency Spill Response

MSRC
Training Exercise for Equipment Deployment

Lowering the barge with a crane at Sandy Point.

A2Z was contracted by MSRC, or Marine Spill Response Corporation, to deploy MSRC's equipment during spill responses they have in the Maryland area. On two occasions, A2Z was called, unannounced, to test their response time to a test area. A crew of 13 was required in Sandy Point, Maryland. Two tractors, a container of boom, a roll-off truck and a crew of thirteen men reported to Sandy Point. MSRC's spill response boat was towed to the scene by A2Z. A2Z's tractor picked up a trailer containing a barge. Using a crane that was on site, A2Z launched the barge and manned it for the exercise. The exercise took approximately 8 hours to complete.

The second training exercise was completed at the Mc Comas Street pier, in Baltimore, Maryland. The call requested a five man crew towed the response boat. A2Z sent one tractor to pick up the barge. A crane was on site. This exercise took four hours to complete.

A mock spill was part of the exercise.

Barge and response boat are ready to go.

Resetting the barge on the trailer for transport.

Statement of Qualifications
Constellation Spill—Phila. Road Substation-Water and Land

A2Z

Client:

Constellation Power

Type of Project:

Fuel Spill on Land and Water

Location:

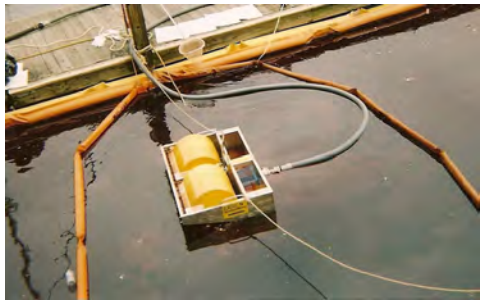
Haven Street, Baltimore, Maryland To Boston Street, Baltimore Harbor

Services:

Environmental

Hauling

Constellation
Philadelphia Road Sub Station Fuel Spill



A skimmer is used to separate fuel from the water.

A2Z was called to clean up a fuel spill at the Constellation substation known as the Philadelphia Road Substation, located on Haven Street in Baltimore, Maryland. More than 10,000 gallons of diesel fuel had leaked from an AST (Above Ground Storage Tank) at the Philadelphia Road Substation. The fuel had followed the path of the storm drains and most of it was in the Baltimore Harbor.

Under the direction of the United States Coast Guard and the Maryland Department of the Environment, an A2Z crew of ten took to the task of recovering the fuel. Recovering the fuel from the water required the use of boom to corral the fuel, and a skimmer to separate the fuel from the water. The skimmer is a floating device that is operated with air to turn the drums under the cover, separating the fuel from the surface water. The fuel is then vacuumed off, via a vacuum truck.

Sweep, a floating absorbent is used to clean oil off the water's surface.

Fuel can be seen floating in this photo.

Ten thousand gallons of fuel were recovered and sent to a local recycler for recycling. Sweep, a floating absorbent, was used to help get minute amounts of fuel off the surface of the water. The call was taken during the mid-morning hours and by midnight the bulk of the fuel was reclaimed, including all of the fuel that wound up in the water. The next day, the storm drains were cleaned and additional fuel was recovered. The storm drains had to be opened and an A2Z team entered to remove all signs of the presence of fuel. Absorbent boom was applied and changed at regular intervals. The spill originated in a sub station where the fuel contaminated the gravel and soil it contacted. Several 20 yard containers of gravel and soil had to be disposed of in a landfill that is regulated to take low content oily soil and debris.

The storm drains follow the path of the fuel. Notice the dark area in the center of the photo.

Statement of Qualifications
Residential House—Demolition

A2Z

Client:

G. L. Schnader

Type of Project:

Residential House Demolition

Location:

Elsrode Ave.

Baltimore, Maryland

Services:

Demolition

Hauling

G. L. Schnader
Residential House Demolition

The excavator arrives on a lowboy.

A2Z was contracted by G. L. Schnader to demolish a residential house in Baltimore. The customer was responsible for the demolition permit and to have all utilities cut and capped before mobilization.

Miss Utility clearly marked utilities on the ground, making location and removal expedient.

The excavator was delivered to the work site on a lowboy trailer by an A2Z driver.

After checking that all utilities were cut and capped and noting where the underground lines ran, demolition began. Because of the close proximity to other houses, the work area was kept neat and dust free. A worker stationed at a safe distance used a water hose to keep the dust created by the demolition manageable. Our demo operator started crunching the middle of the house with the excavator in order to make the house collapse into the basement.

Demolition starts by removing the roof.

The debris must be reduced in size to facilitate disposal. Using the bucket with a grapple, the debris was chewed constantly to reduce its size. Doing this also keeps the area of the demolition compact.

The demolition site is kept neat. All debris is reduced to small pieces by chopping with the bucket on the excavator.

This demolition required several 30 yard containers for debris. The debris was taken to a local landfill for disposal.

When the house was reduced to the foundation, the entire area was cleaned to separate the masonry foundation from the wood debris. The foundation was broken up and disposed of at a local concrete recycler. The final portion of the demolition was to police the area, fine clean the site and to leave it in a rough grade condition, to the satisfaction of the customer.

The last of the debris is loaded in a 30 yd. container for disposal. All that remains is the foundation for removal.

Statement of Qualifications
Tank Removal

A2Z

Client:

Uni-First

Type of Project:

Underground Storage Tank Removal

Location:

Yellowbrick Road, Baltimore, Maryland

Services:

Environmental

Tank Removal

Hauling

Uni-First
Underground Storage Tank Removal

Exposing the top of the UST.

A2Z was contracted to remove a 4,000 gallon underground storage diesel fuel tank for Uni-First. The quote didn't include soil sampling, remediation of contaminated soil, or replacement of asphalt surface.

A2Z scheduled a site visit with MDE (Maryland Department of the Environment). MDE dictated how to proceed with the removal of the UST. MDE will also decide how to proceed if we should confront fiber optics or other wires or pipes that would obstruct removal of the UST upon initial excavation. If obstructions are confronted, we may be allowed to fill the UST in place. No obstructions were found.

The tank is ready for extraction.

Miss Utility was contacted so they could mark all known utilities in the work site. A2Z probed the tank with a measuring stick to make sure the tank was completely empty of product and to check the diameter of the tank.

An excavator and backhoe were delivered to the worksite by an A2Z driver. Excavation began to expose the top and sides of the tank. The excavation site was checked for contamination; none was found. The vent pipe, product pipe and return line were removed. The fill pipe was allowed to remain intact. The UST was raised, then scraped clean of dirt to expose any damage. There was no damage found during the MDE inspection. After the inspection, the tank was loaded in a roll-off container for disposal. Depending on the construction, the method of disposal will be chosen. This UST was made of steel. Therefore, it was cleaned, tested with an LEL for (lower explosion level), and passed MDE's requirements. Then it was dismantled and recycled by a local scrap recycler.

The empty tank is lifted from the excavation.

If the UST had been made of fiberglass, the tank would be cleaned, tested for LEL, then broken up and disposed of in a local landfill.

Once the UST was removed from the site, A2Z backfilled the hole with an approved backfill material, pea gravel.

The work site was returned to grade, broom swept and all tools and equipment removed.

A2Z then completed the closure report with MDE.

The tank is loaded for disposal.

Statement of Qualifications
Tank Cleaning, Hauling, Environmental Services

A2Z

Client:

MCM Management

Type of Project:

Major Demolition Project

Location:

Holabird Avenue, Baltimore, MD

Services:

Environmental

Tank Removal

Hauling

MCM Management
Demolition of General Motors, Baltimore. MD

The General Motors Assembly Plant on Broening Highway in Baltimore was left dormant for several years. During 2006, MCM, a huge demolition company removed a large portion of this sprawling site that once assembled vans under the Chevrolet name. When the demolition was completed the site became an industrial park.

Before MCM came on site, General Motors contracted with A2Z to clean (4) 20,000 gallon fuel tanks, drain lines and to clean the dyke area located at the car hauling garage. The cleaning job completed early.

This shows another view, the buildings in the distance are ready for demolition.

A2Z was contracted to do roll-off hauling. We had 20 roll-off cans on site. We hauled non-friable asbestos and galbestos (galvanized iron sheets with a coating of chrysotile on each side covered by a coating of paint or bitumen that was manufactured from the 1950's to the 1970's) to local landfills.

What once was a van assembly plant looked like a war zone.

On the environmental side, A2Z provided a variety of services to MCM Management. A2Z performed vac work, tank work, haz drums, sludge drums , sludge removal, and hauling.

A2Z's chemist and A2Z crew members segregated and identified unknown drums of chemical waste using haz mat kits. With the chemist's vast chemical knowledge and experience, A2Z prepared the drums and shipped over 94 drums of hazardous and non-hazardous waste. A2Z obtained this part of the project by providing fast, expert service.

A2Z also provided a Vactor, vacuum truck to pump sludge from pits and dispose of the product. MCM also sub-contracted A2Z to provide vacuum trucks to pump out pits of oil/water from the GM plant and then to transport to a disposal facility.

Statement of Qualifications
Selective Demolition

A2Z

Client:
Baltimore Contractors

Type of Project:
Removal of brick and CMU.
Shoring of building

Location:
Howard High School

Services:
Selective Demolition,
Shoring,
Hauling.

Baltimore Contracting
Selective Demolition

A2Z was contracted to remove several windows from the rear wall of Howard High School.

Baltimore Contracting hired A2Z to remove several windows from the back wall of Howard High School. Before the windows could be removed, it was discovered the wall was leaking. A2Z then had to remove 5,000 square feet of the brick façade.

After the brick façade was removed, the block wall (or CMU) was found to be leaking. The CMU was sitting on wooden boards that had rotted away. The gap was large so 5,000 square feet of CMU had to be removed. Once the CMU was removed the bearing wall needed to be shored on the inside to insure the integrity of the building.

What started as a small job just kept growing in size. A2Z did a great job and completed the job on time and under budget.

An A2Z field tech is safely removing the brick façade from the rear of Howard High School.

The remaining CMU at the end of the wall shows the area that is shored on the inside.

A2Z used it's own hauling force to dispose of all debris generated from the removal of the brick and CMU.

Statement of Qualifications
Interior Demolition By Crane

A2Z

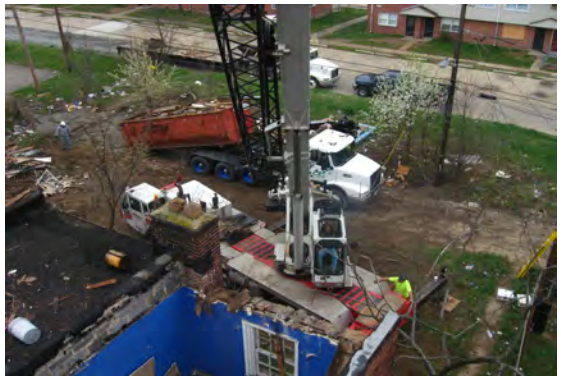
Client:
Anne Arundel Habitat For Humanity

Type of Project:
Interior Demolition By Crane

Location:
Stol Street, Baltimore, Maryland

Services:
Demolition
Hauling

Anne Arundel Habitat For Humanity
Interior Demolition By Crane



After the roof was removed, the interior was stripped by remote control crane.

A2Z was contracted by Arundel Habitat for Humanity to demolish the interior of two townhouses on Stol Street in the Brooklyn area of South Baltimore.

The job consisted of operating a crane by remote control to strip the interior walls and floors. The crane was contracted from Williams, who has the only remote control hydraulic clam bucket. In fact, they patented it. The A2Z operator instructed the crane operator to position the clam in an area where the A2Z operator could then take control.

A2Z's crew, consisting of an operator and a field tech, completed the demolition of both townhouse interiors in only two days. The debris was hauled away in A2Z dumpsters.

The crane is lowering some debris from inside the dwelling.

The crane left 24" of debris that was cleaned up by volunteers.

There was 24" of debris left in the basement that the clam couldn't reach. The next day, fifty volunteers, mostly "Midshipmen" from the Naval Academy in Annapolis, picked the place clean. All work was done by volunteers to keep the cost at a minimum.

Arundel Habitat For Humanity is a non-profit organization that provides affordable housing in Anne Arundel County and the Brooklyn, Curtis Bay area of Baltimore City. The houses are sold with a 30 year no interest mortgage. The owners must invest 200 to 400 hours of "sweat equity" in their homes. The mortgage payments are recycled into building more homes. Since it's founding in 1987, Arundel Habitat For Humanity has built 107 homes.

A2Z performed the job at cost in order to help give back to the community.

Statement of Qualifications
Erosion And Sediment Control

A2Z

Client:
Kinsley Construction

Type of Project:
Erosion and Sediment Control

Location:
I-70 Welcome Center, Hagerstown, Maryland

Services:
Demolition, E & S, Clearing and Grubbing Hauling

Kinsley Construction

Erosion and Sediment Control

The mini excavator is digging a trench and driving in poles for the “super silt fence” being installed.

A2Z was contracted by Kinsley Construction to clear and grub, install 1200 feet of super silt fence, install 2,000 feet of water diversion fence and 1,200 feet of super water diversion fence. for the I-70 Welcome Center renovation in Hagerstown, MD. The above work was done on both the east and west bound Welcome Centers.

Super silt fence is installed by digging a shallow trench, installing the poles 10 feet apart, stretching the fence fabric, attaching the fabric and backfilling the finished product. The purpose of the silt fence and super silt fence is to prevent the topsoil from eroding during the construction period. Silt fence temporarily impounds runoff on a construction site.

The orange construction fence is used to isolate a work area or protect something in the perimeter of the fence line.

Water diversion fence is used to divert water around a work site using a series of system structures.

Super silt fence is shown in the photos. Super silt fence has a lining of chain link fence, as well as, the black fabric.

PROFESSIONAL PROFILES

Rita Holderby, Presiding Member/Owner

- Thirty years as a General Manager with a background in development, logistics, personnel, general operations and bidding, negotiating and closing contracts.
- Fifteen years experience in the construction industry involving roll-off services, demolition and environmental projects.
- Instrumental in the start-up and continued growth of A2Z Environmental Group, LLC. Directs the day-to-day operations and management of the entire company.
- Works as a liaison between customers and employees to ensure projects run smoothly and to the complete satisfaction of the customer.
- Responsible for directing the preparation of bids, purchasing of major equipment and supplies, staff management and the promotion of services.
- Qualifications and experience include: Supervisory, dispatching and sales experience, preparation of financial and legal documents, development of policies and procedures, preparation of budgets and annual reports and experience with a variety of computer software programs.
- Specific Training, Certifications, Etc.: OSHA for the Construction Industry; State Drug Testing Program: Supervisory Training Program; Certified Confined Space-29CFR 1910.146;HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; No Free Ride (APHIS), Certified Underground Storage Systems Technician/Remover (Maryland); Maryland Erosion and Sediment Control Certification and Asbestos Supervisor.

Bob Rutherford, Compliance Director/Operations Manager

Thirty years experience in the environmental field service, tank-cleaning services and spill response. As emergency spill coordinator he makes sure our team is enroute to the scene of the spill minutes after receiving the call.

Qualifications: Certified 40 hrs. Hazwoper, HAZCOM, Competent Person, Confined Space, Incident Command, DOT HAZMAT Training, HAZ Security Training, OSHA 10 Training, CDL AX Driver; Certified Confined Space-29CFR 1910.146-HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS); Maryland Erosion and Sediment Control Certification, Certified Underground Storage Systems Technician/Remover (Maryland); Maryland Erosion and Sediment Control Certification.

PROFESSIONAL PROFILES (continued)

Charles Holderby, Maintenance & Repair Superintendent

Twenty years experience in the construction field with a specialty in vacuum truck logistics.
Responsible for on-site project supervision, designated person in charge for Marine Transfer Operations and vehicle maintenance. Heavy Equipment Operator; Auto Body and Fender Mechanic.

Qualifications: Certified Underground Storage Systems Technician/Remover and installer (Maryland); Maryland Erosion and Sediment Control Certification; Certified Confined Space Worker; OSHA HAZMAT Training; CPR Training; Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS) Commercial Driver's License – Class A and Asbestos Supervisor.

Yvonne McMahon, Director of Environmental Sales

Over thirty years experience in the Environmental Services Industry starting at an entry-level position and working her way to Director of Environmental Sales by developing and maintaining accounts providing prompt, quality and safety oriented services. Ms. McMahon's projects have included providing environmental cleaning and disposal of waste generated from coke oven closure, set up programs for the identification, transportation and disposal of hazardous waste drums on large projects, plant closures, which involved cleaning of tanks, piping and demolition. Working closely with field personnel to assure the projects time lines were met, Ms. McMahon has obtained a high level of trust from her clients to "get the job done".

Qualifications: Certified Underground Storage Systems Technician/Remover (Maryland); Certified Confined Space Worker; OSHA HAZMAT Training; CPR Training; Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS); Certified 40 hrs. Hazwoper.

PROFESSIONAL PROFILES (continued)

Bob Holderby, Procurement Officer and Sales Rep

Thirty years experience in the construction/contracting field and Environmental Field Services.
Responsible for sales in the Mid-Atlantic Region, UST and demolition projects and equipment procurement. Heavy Equipment Operator; Auto Body and Fender Mechanic; Fabricator; Sales Representative.

Qualifications: Certified Underground Storage Systems Technician/Remover (Certified in MD, PA and DE); Certified Confined Space Worker; Hazardous Waste Operations & Emergency Response Training; Class AM@TPX Commercial Driver's License; Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS) and Asbestos Supervisor.

Gary Shipley, Director of Site Work

Thirty-five years of experience in Management, Estimating and Projects in the commercial and industrial field with nine of those years in the US Navy with background in safety. Specialties are the Maryland State Highway Standards, Restoration of Concrete structures and Maintenance of Traffic.

Qualifications: Maryland Erosion and Sediment Control Certification; Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS).

PROFESSIONAL PROFILES (continued)

Brian Lewis, Demolition Supervisor

Twenty years experience in the construction field with a specialty in demolition and handling of asbestos. Responsible for providing direction on demolition jobs and assures communication between workers, drivers, clients and supervisory staff.

Qualifications: Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS); Certified Sediment and Erosion Control; Heavy Equipment Operator; Demolition Specialist.

Michael Cardinale, Project Manager

Over twenty years experience in all phases of industrial construction, including demolition, heavy highway and utility projects. Extensive experience managing and overseeing projects up to $5 million. Responsible for overseeing Demolition, Clearing and Grubbing and other projects.

Qualifications: Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS), First Aid Advanced & Basic and Annual CPR Training, MD Lead Paint Abatement, Asbestos Awareness Training, Air Testing and Monitoring.

PROFESSIONAL PROFILES (continued)

Kenneth A. Hill, Dispatcher

Has over 8 years of experience in the Roll-off industry, sales & dispatching in the Baltimore Metropolitan area. Experience supervising L.E.E.D accredited projects and knowledge of L.E.E.D accredited facilities in MD.

Qualifications: Certificate from the Baltimore Contractors College, L.E.E.D training certified. Certified in First Aid/ CPR training. Certified in vehicle accident procedures from the Insurance Institute of Highway. Certified Maryland Driving Instructor. He has a degree in Business Management/Marketing from Hagerstown Community College

Victor Amaya, Field Sales Rep/Spanish

Has over 20 years experience driving Roll-Off trucks. He is an experienced roll-off driver and does sales while driving. He has produced many jobs from the Spanish speaking community.

Qualifications: Confined Space-29CFR 1910.146; HAZ COM-29CFR 1910.1200 (h); Workplace Violence; Driving Safety; Drug Abuse; No Free Ride (APHIS) Commercial Drivers License Class B

MDOT DIRECTORY OF CERTIFIED MBE AND/OR DBE FIRMS

Firm Name:

A2Z ENVIRONMENTAL GROUP, LLC

Minority Status - Cert # - Date:

FEMALE
01-080
3/13/2001

Address:

250 S. KRESSON STREET
BALTIMORE, MD 21224
BALTIMORE CITY

Contact:

RITA HOLDERBY

Phone - Fax - Email - Website:

(P) 410-679-8877
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A2ZINFO@A2ZGROUP.COM

WWW.A2ZGROUP.COM

237110 - MBE/DBE - WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION
(SPECIFICALLY: PLACEMENT OF UNDERDRAINS AND OUTLETS)

237310 - MBE/DBE - HIGHWAY, STREET, AND BRIDGE CONSTRUCTION
(SPECIFICALLY: PAVEMENT LINE STRIPING REMOVAL)

237990 - MBE/DBE - OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION
(SPECIFICALLY: INSTALLATION/MAINTENANCE OF EROSION CONTROL DEVISES, SILT/SUPER SILT FENCE, ORANGE CONSTRUCTION FENCE, SEDIMENT EXCAVATION/CLEANOUT/EARTH DIKES, DIVERSION/SUPER DIVERSION FENCE, TYPE B & C MATTING)

238910 - MBE/DBE - SITE PREPARATION CONTRACTORS
(SPECIFICALLY: EXCVATION CONTRACTOR, GRUBBING/CLEARING; BRIDGE DEMOLITION/REMOVAL OF BRIDGE DECK, REMOVAL OF MANHOLES, TRAFFIC BARRIERS AND PIPES, INTERIOR AND EXTERIOR DEMOLITION, AND PLACEMENT OF TOPSOIL)

423320 - MBE/DBE - BRICK, STONE, AND RELATED CONSTRUCTION MATERIAL MERCHANT WHOLESALERS
(SPECIFICALLY: CONCRETE CRUSHING AND/OR TIRE SHREDDING FOR RESALE)

484220 - MBE/DBE - SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LOCAL
(STONE, MILLING DEBRIS, TOP SOIL, SPECIALTY HAULING)

561730 - MBE/DBE - LANDSCAPING SERVICES
(SPECIFICALLY: SEEDING/MULCHING REFERTILIZATION, LIMESTONE APPLICATION, RESEEDING/SOD, WATERING, TOPSOIL PLACEMENT)

562111 - MBE/DBE - SOLID WASTE COLLECTION

562112 - MBE/DBE - HAZARDOUS WASTE COLLECTION

562910 - MBE/DBE - REMEDIATION SERVICES
(ENVIRONMENTAL CLEANUP, UNDERGROUND TANK TESTING AND REMOVAL)

562998 - MBE/DBE - ALL OTHER MISCELLANEOUS WASTE MANAGEMENT SERVICES
(CLEANING OF EXISTING PIPES AND INLETS AND SCOPING OF DRAINS, AND SEPTIC TANK CLEANING)

INSURANCE INFORMATION

GENERAL LIABILITY: Ace Insurance Company
$2 Million Policy Aggregate
$1 Million Each Occurrence

AUTOMOBILE: Ace Insurance Company
$1 Million Combined Casualty

EXCESS/UMBRELLA LIABILITY: Ace Insurance Company
$5 Million Each Occurrence
$5 Million Policy Aggregate

WORKERS' COMPENSATION: Injured Workers Ins. Fund:
$1,000,000 Each Accident
$1,000,000 Disease, Each Employee
$1,000,000 Disease, Policy Limit

PERMITS AND LICENSES

Maryland Business License
Delaware Business License
Kentucky Business License
Pennsylvania Business License
Virginia Business License
Washington D.C. Master Business License – Class B

Cecil County Hauler's License
City of Baltimore Solid Waste Hauler's Permit
Delaware Solid Waste Transporter Permit
Dorchester County Hauler's License
Montgomery County Hauler's License
New Jersey Haulers License
Pennsylvania Hauler's Permit

Certified APHIS Waste Hauler
Maryland Scrap Tire Hauler

City of Baltimore Certified Demolition Contractor License

State of Maryland Department of the Environment Oil Operations Permit

Baltimore County Wastewater Discharge Permit

MINORITY CERTIFICATIONS

STATE:

Maryland Department of Transportation Minority Business Enterprise Program
Certification No.: DOT MBE 01-080
DC Metropolitan Washington Area Transit Authority WMATA - Certification 871
Delaware Office of Minority & Women Business Enterprise – Certification DE05040557
Pennsylvania Department of Transportation Minority Business Enterprise
Certification 1377/A359

LOCAL:

City of Baltimore Women's Business Enterprise (WBE) - Certification No.: 00-003840
Prince George's County MBE Certification – Certification No.: 472047
Prince George's County Public Schools MBE Certification – Vendor No.: 11235
Metropolitan Washington Airports Authority LDBE– Certification No.: LD2002-0313-2009

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