TECHNICAL PROPOSAL FOR:

DEMOLITION OF BUILDINGS/STRUCTURES AT ALLENTOWN STATE HOSPITAL

CITY OF ALLENTOWN, CITY OF BETHLEHEM, LEHIGH COUNTY, PENNSYLVANIA

Project No. DGS C-0501-0022 Phase 1

September 12, 2019

Neuber Demolition & Environmental Services

1100 Grosser Road, Suite C
Gilbertsville, PA 19525

Jeffrey LaRiviere – President
Email: jeff@neuberenv.com
Phone: (610)587-4296

Addenda Acknowledged:

AMD 01 – Addendum No.1	Dated: September 9,2019
AMD 02 – Addendum No.2	Dated: September 10, 2019
AMD 03 – Addendum No.3	Dated: September 26, 2019
AMD 04 – Addendum No.4	Dated: September 30, 2019
AMD 05 – Addendum No.5	Dated: October 3, 2019

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PROJECT TEAM'S QUALIFICATIONS, EXPERIENCE, AND PAST PERFORMANCE

2-4.1 Project Management Team Overview:
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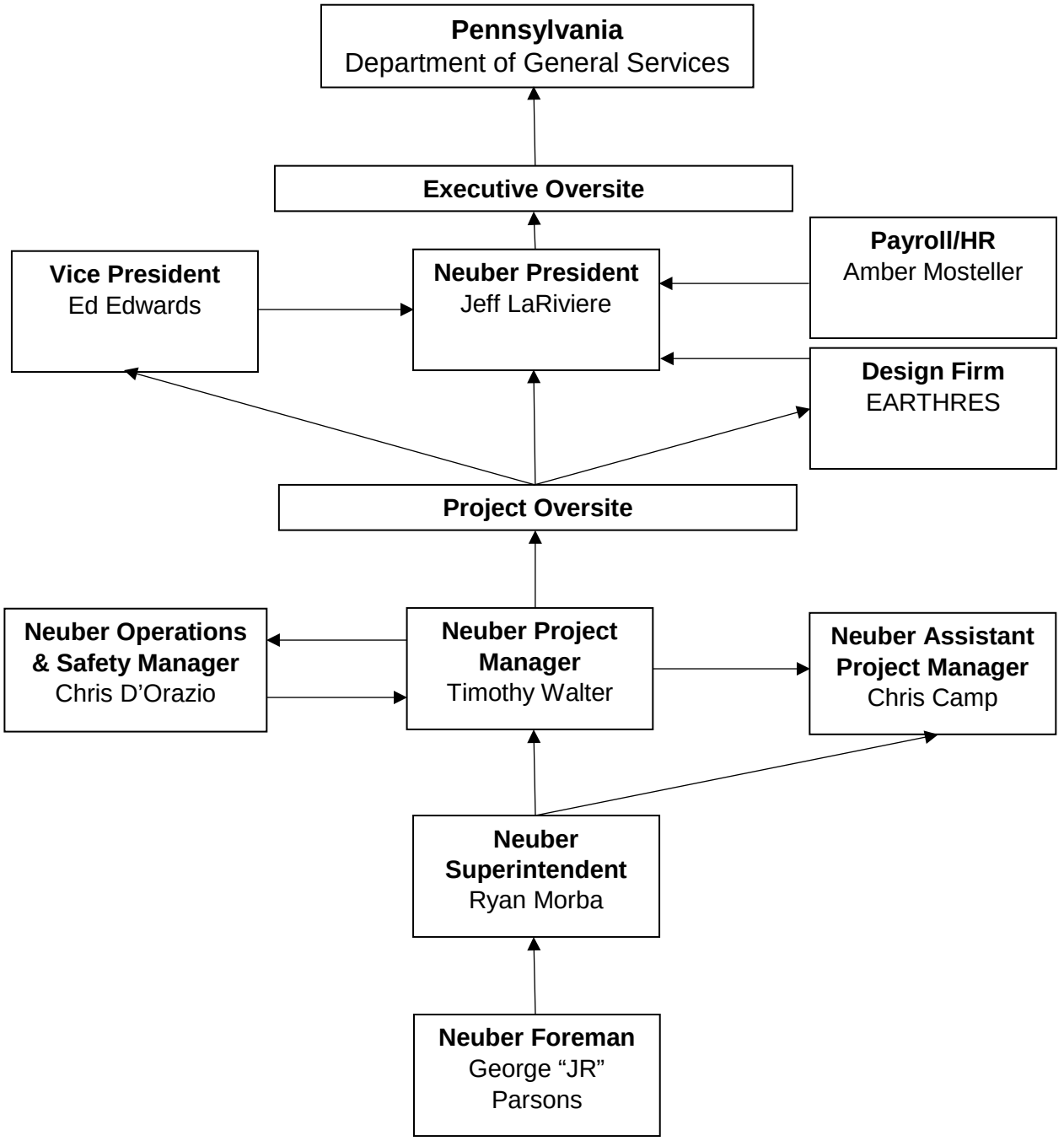

PROJECT TEAM CHAIN-OF-COMMAND

It should be noted that ALL Neuber Environmental Services Representatives and Employees have full authority to STOP WORK – if an unsafe condition exists.

President – Jeff LaRiviere

Jeffrey A. LaRiviere
505 N. Monocacy Creek Road
Douglassville, PA 19518
jeff@NeuberEnv.com

Summary

With over 28 years in the environmental remediation industry, including 8 years as an on site supervisor in large scale asbestos abatement and HAZMAT projects, 3 years in the development of innovative remediation methodologies and plan design. A commitment to adherence of all regulatory standards and the safety of the crews performing the work.

Education

Bachelors of Chemical Engineering, Villanova University. Graduated 1987

Areas of Expertise

- Asbestos Abatement Plan Design
- Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP)
- Licensed Supervisor in Pennsylvania, New Jersey, Delaware, Maryland, Virginia, Mississippi and South Carolina
- Management of Large Scale Complex Abatement Projects

Experience

Neuber Environmental Services, Inc. 1993-Present
President (2015 to Present)

Vice President and General Manager (1993 to 2015)

Founded the Company in March, 1993. Company has grown in sales exceeding $20.0 M per year with work in states from Pennsylvania and New Jersey to South Carolina.

Responsible for business development, environmental estimating, plan design and project support. Developed and marketed additional services including;

- Building Demolition;
- Sitework;
- HAZMAT clean up;
- PCB clean up;
- Freon reclamation;
- Soil Remediation;
- Sitework and utility (sewer, water, storm) installation;
- On site Concrete Crushing and Processing.

Edwin J. Edwards
22 West 10th Street
Pottstown, PA 19465
EdEdwards@NeuberEnv.com

Summary

With 22 years in the environmental remediation industry, including 12 years as an on site supervisor in remediation projects and 6 years in the project management of multiple remediation sites.

A commitment to client satisfaction through education and communication to determine expectations and developing the most cost effective solutions to achieve those goals.

Areas of Expertise

- Demolition and Sitework
- Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP)
- Licensed Supervisor in Pennsylvania, New Jersey, Delaware, Maryland, Virginia, Mississippi and South Carolina
- Experience using Quantum Estimating, Construction Link and Foundation accounting software

Experience

Neuber Environmental Services, Inc. 1996-Present
Vice President (2015 - Present)
Vice President of Operations (1996 - 2015)
Responsible for all aspects of operations including scheduling, meeting with clients, weekly job inspections and project support. Developed and marketed additional services including;

- Building Demolition
- UST Removal;
- UST Installation;
- Soil Remediation;
- Sitework and utility (sewer, water, storm) installation;
- On site Concrete Crushing and Processing.

Global Spill Management 1989-1996
Operations Manager

Started with the Company operating heavy equipment on remediation sites to site foreman to Operations Manager.
Brought into the office in 1993 to manage Operations for the entire Company. Job duties included scheduling over 35 employees, DOT Compliance, Environmental Regulatory Compliance (State and Federal).

Timothy Walter

Project Manager

Email: timwalter@neuberenv.com

Summary	**With over 6 years of construction experience, his experience ranges from site work to vertical construction as well as razing structures and asbestos abatement. While at Neuber, Tim has overseen work on projects for various sectors such as the federal government, public and private entities. These projects range in size from small to large, $2 Million and over.**
Education	**Bachelors Degree – Construction Management, The Pennsylvania State University, 2009**
Areas of Expertise	• Project Management – Create purchase orders and contracts for subcontractors; Coordination with local municipalities and governing agencies; Quality Control & Quality Assurance (QC/QA); Change order proposals & oversight; Contract compliance, Punch list & Closeout • Permits, Notifications & Landfill Forms • Job Costing – AIA & Monthly Invoicing, Releases of Liens • Estimating – Assist in obtaining & drafting proposals for change orders & potential clients • Regulatory Compliance (EPA, DEP, OSHA,USACE)
Completed Projects	• **Former Dover High School Demolition (Dover, DE)** – Demolition and recycling of materials generated from the 200,000 SF structure. • **Demo Steam Lines TRACEN (Cape May, NJ)** - Removal of 1,420 LF of abandoned steam lines & associated trenches at the U.S. Coast Guard Facility. This work also entailed installation of concrete roadways, asphalt paving and grass restoration. • **Madison at French Creek (Phoenixville, PA)** – This former steel plant work required the uncovering and demolition of buried structures for site development. Work on site also included surveying, proper handling & disposal of contaminated soil & crushing of approximately 20,000 tons of concrete for re-use on site. • **Temple Bridge Demo (Temple, PA) –** Demolition and recycling of defective 60' by 46' concrete bridge over Laurel Run Creek. Monitor and conform to DEP approved methodology to ensure that the creek was unharmed. • **Route 202/95 Transite Soil Clean-Up (Wilmington, DE)** – Oversight and transite pipe removal from excavated material generated by others. This work was performed in two phases and required precise coordination of work.
Certifications	• Construction Quality Management for Contractors (CQM) • Environmental Compliance Assessment, Training, and Tracking System (ECATTS) • OSHA 30 Hour Training • Sunbelt Aerial Work Platform Trainer

Christopher D'Orazio
E-mail Address
Chris@NeuberEnv.com

Summary

With 18 years in the environmental service industry, including 12 years as an on-site supervisor of remediation projects and 7 years in the project management of multiple demolition and remediation sites.

Areas of Expertise and Training

- Demolition, Environmental and Site work
- Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP)
- Safety Technology NCCER – Associated Builders and Contractors
- Construction Quality Management (CQM) Training – US Army Corp of Engineers and NAVFAC
- Certified Trainer for Aerial Boom and Platforms, Forktruck/Articulted Forktruck, Heavy Equipment Operations
- OSHA Lead in Construction Training (29 CFR 1926.62) – Criterion Laboratories
- MSHA Certified
- Member of the Associated Builders and Contractors Safety Committee
- Harmonized Global Haz-Com Training – Sioux Services, LLC
- Fall Protection and Scaffolding Training
- Licensed OSHA HAZWOPPER (40 Hour) and Asbestos Supervisor in Pennsylvania, New Jersey, Maryland, Virginia and Delaware
- Experience using Quantum Estimating, Construction Link and Foundation accounting software

Neuber Environmental Services, Inc.

Operations Manager 2010-Present

Responsible for all aspects of operations including scheduling, meeting with clients, weekly job inspections, creation of work/ safety plans and submittals, estimating and project development / management.

Direct oversight of;

- Waste Management
- Safety
- Equipment
- Employee's
- Demolition
- Sitework
- UST/AST Removal and Installation
- On site Concrete Crushing and Screening/Processing.

Supervisor 2002-2010

- Projects included Landfill Closure, Soil Remediation Projects, Demolition and Sitework Projects
- Jobsite supervision of all a equipment and manpower
- Site safety

Heavy Equipment Operator 1997-2002

- Responsible for the safe operation of multiple types of heavy equipment including excavators, articulated end dumps, rubber tire loaders, trac loaders, etc.

Project Profile

NASA Langley Research Center – Hampton, Virginia

Responsibilities include the day to day oversite of multiple work zones at this year long project. Coordination of supervisors responsible for every aspect of the project including mechanical demolition, hand demolition, excavation, asbestos abatement and HAZMAT. Waste Characterization, Management and tracking of all materials (metals, concrete, asbestos and HAZMAT) leaving and entering the site.

Highlights of the project included;

- Demolition and asbestos abatement of 4 ea 80' – 100' high Wind Tunnels at the facility. Recycling of 12,000 tons of metals, crushing 20,000 tons of concrete and masonry to 1"(-) for re-use on site;
- Asbestos abatement included 375,000 sf of asbestos transite, 13,000 lf of asbestos pipe insulation and 18,000 sf of asbestos covered duct insulation;
- Hazardous materials included 9,000 lbs of regulated waste (PCB transformers, ballasts, mercury, Freon, etc.) and 6,500 gallons of hydraulic fluids

Demolition of Former Mercy Hospital – Watertown, NY

Complete demolition of a 1930's era 4-5 story 300,000 sf concrete and steel structure to make way for a retail development center. The Hospital facility was made up of 16 buildings most of which were added over the years to accommodate a growing local population.

Over 21,000 yards of concrete, brick and block will be processed and re-used on site.

Waterfront Development Project – Allentown, PA

Complete demolition of a 1950's era, 3 story, 180,000 sf steel processing plant including all above ground structural steel and concrete foundations and footers. Additionally ACM materials included friable and non-friable building materials that were abated during the course of this project.
Over 8,400 tons of concrete, brick and block was processed and re-used on site.

Harrisburg International Airport – Harrisburg, PA

Complete demolition of the former 4 story Main Terminal Building #510. A critical area of concern included prevention of FOD (Foreign Object Debris) during the demolition process as the work was directly adjacent to an active runway. This was achieved through the diligent efforts of the demolition crews keeping the site clean of debris and minimizing visible dust generated through the demolition process.
Project required re-directing fiber-optic lines and underground electrical systems. Crews worked closely with Airport personnel and Engineering firm to make sure there was no disruption to these critical utilities.

Restoration of the site requires backfill and complete asphalt paving of the former building footprint

West Wyomissing and Lincoln Park Elementary Schools – West Wyomissing, PA

Complete demolition of 1 and 3 story Elementary Schools (65,000 sf total). Building was completely gutted of all asbestos materials (floor tile, pipe insulation, boiler insulation), HAZMAT (PCB ballasts, mercury components, Freon) and interior components prior to demolition.

William Tennent High School - Warminster, PA

Complete demolition of 3 story, 300,000 sf concrete and masonry school. Building was completely gutted of all asbestos materials (spray on insulation, floor tile, transite, boiler insulation, etc), HAZMAT and interior components prior to demolition.

Dover AFB Heat Plant – Dover, DE

Demolition and asbestos abatement of a 110' tall (including chimneys) obsolete steam plant and supporting Tank Farm at the Dover AFB. Includes all foundation and footers.

Asbestos abatement included interior and exterior insulation and fire brick materials from 4 ea 4 story boilers. 7,500 lf of asbestos covered steam-lines, and over 5,000 sf of asbestos covered tank insulation was removed.

Removal of six (6) #6 oil heating tanks with a total capacity of over 250,000 gallons.

Dover AFB Buildings #1315 and #944 – Dover AFB, DE

Complete demolition of two aircraft support facilities totaling 90,000 sf located adjacent to active runway and taxiways at a highly active Air Force Base.

F.O.D. (Foreign Object Debris) fences were installed around the demolition sites with rigorous and continuous efforts were employed to eliminate any possibility of dust and debris going beyond the work zone. The entire work area was swept daily and all demolition debris was removed from the site daily.

Asbestos abatement included ACM transite friable ACM pipe insulation. Clean sweep of all PCB ballasts, FREON, mercury switches, radioactive smoke detectors, etc.

Ryan Morba
E-mail Address
ryanmorba@NeuberEnv.com

Summary	**With 17 years in the environmental service and demolition industry, including 12 years as an on-site supervisor of remediation projects. Ryan has completed 100's of projects ranging from interior demolition at the Philadelphia Veterans Administration Hospital to most recently a 1.5 M sf demolition and environmental remediation at the Defense Supply center in Richmond, Virginia.**
Areas of Expertise	• Demolition (Interior and Building), Environmental and Site work • Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP) • Licensed HAZWOPPER, 30-Hour OSHA Supervisor Training and Asbestos Supervisor in Pennsylvania, New Jersey, Maryland, Virginia and Delaware
	Neuber Environmental Services, Inc. **Superintendent** 2005-Present Responsible for all aspects of supervision of multiple Supervisors, meeting with clients, Waste Management, weekly job inspections, quality control, assistance with the creation of work/ safety plans and submittals, estimating and project development / management. Direct oversight of; ▫ Safety ▫ Equipment ▫ Employee's ▫ Demolition ▫ Sitework ▫ UST/AST Removal and Installation ▫ On site Concrete Crushing and Screening/Processing. **Supervisor** 1999-2005 • Projects included Landfill Closure, Soil Remediation Projects, Demolition (Interior and Building) and Sitework Projects • Jobsite supervision of all a equipment and manpower • Site safety • Management of sub-contractors **Equipment Operator** 1995-1999 • Responsible for the safe operation of multiple types of heavy equipment including UHD excavators, articulated end dumps, rubber tire loaders, track loaders, etc.

Completed Projects	
	• Middletown (PA) High School – Complete asbestos abatement and demolition of this 250,000 2-story former high school. Project was completed in 6-weeks including crushing all concrete to 3"(-) to be re-used on site. • Harrisburg (PA) Airport Main Terminal Building – Complete demolition of the former Main Terminal Building #510. A critical area of concern included prevention of FOD (Foreign Object Debris) during the demolition process as the work was directly adjacent to an active runway. This was achieved through the diligent efforts of the demolition crews keeping the site clean of debris and minimizing visible dust generated through the demolition process. Project required re-directing fiber-optic lines and underground electrical systems. Crews worked closely with Airport personnel and Engineering firm to make sure there was no disruption to these critical utilities. Restoration of the site requires backfill and complete asphalt paving of the former building footprint. • Richmond Defense Supply Center - Complete building demolition of 2.0 M SF of obsolete warehouse space for the US Army Corp of Engineers, HAZMAT remediation (clean sweep) and asbestos abatement • Walter Reed AMC – Interior demolition of 15 ea structures remaining and complete demolition of 115 military family housing units with associated clean sweep of HAZMAT and asbestos abatement. • VA Hospital Philadelphia – Complete interior demolition and asbestos abatement of multiple floors over a period of 5 years. • Cheyney University – Complete lead abatement and interior demolition of 5 buildings at Cheyney University - Delaware County, PA. • William Tennent High School – Prior to the start of demolition all asbestos (300,000 sf of spray on materials) and interior construction and demolition debris were removed from the interior of this building. Building was then demolished including the removal of all foundations and footers. • Dover AFB – Complete demolition and asbestos abatement of 816 military family housing units. • Langley AFB – Complete demolition and asbestos abatement of 400 military family housing units.

George (JR) Parsons
E-mail Address
JR@NeuberEnv.com

Summary	**With 10 years in the environmental service and demolition industry, including 5 years as an on-site supervisor of remediation projects. George has completed numerous high profile demolition projects.**
Areas of Expertise	• Demolition (Interior and Building), Environmental and Site work • Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP) • OSHA 10 Hour Safety Trained, Licensed HAZWOPPER and Asbestos Supervisor in Pennsylvania, New Jersey, New York, Maryland, Virginia and Delaware.
	Neuber Environmental Services, Inc. **Foreman** 2009-Present Responsible for all aspects of supervision of multiple Supervisors, meeting with clients, Waste Management, weekly job inspections, quality control, assistance with the creation of work/ safety plans and submittals, estimating and project development / management. Direct oversight of; ☐ Safety ☐ Equipment ☐ Employee's ☐ Demolition ☐ Sitework ☐ UST/AST Removal and Installation ☐ On site Concrete Crushing and Screening/Processing. **Equipment Operator** 2000-2009 • Responsible for the safe operation of multiple types of heavy equipment including UHD excavators, articulated end dumps, rubber tire loaders, track loaders, etc.

Completed Projects	• Mercy Hospital (Watertown, NY) – Complete demolition of a 4 story, 180,000 sf hospital in downtown Watertown, New York. • Cape May Coast Guard Station (Cape May, NJ) – Demolition of 3,000 lf of steam piping and associated concrete trenches throughout this very active Coast Guard facility. Extensive coordination with Safety Officers, the Base Commander and CG DPW was required to re-route walking and motorized traffic throughout this 4-month project. • Gerresheimer Glass Company/Corning Glass (Vineland, NJ) – Demolition of 12 multi-story buildings throughout this active glass manufacturing facility. Coordination with our Asbestos Abatement crews was required to maintain an aggressive completion schedule. • Former Hrivnac Motors Site – Complete demolition and asbestos abatement of a former automotive facility located on a main thorofare.

KEY PERSONNEL RESUMES

SECTION 5

EARTHRES
ENGINEERING FOR SUCCESS™

DAVID F. ALLEN, P.E.
SENIOR PROJECT MANAGER

Mr. Dave Allen, P.E. has over 18 years of experience, the past 10 years at EARTHRES, in civil engineering design and construction coordination. His design management skills highlight experience with planning and zoning boards and client/team coordination. Areas of specialization:

- Civil / Site Design
- Land Development Planning/Zoning & Municipal Approvals
- Site & Utility Layout/Design
- Stormwater Management
- Clean Fill Reclamation Permitting
- Facility Permitting (NPDES, E&S, etc.)
- Construction Bid Documents Preparation
- Construction Management
- Contract Negotiation
- Public Hearing Support
- Contract Specifications & Drawing Preparation

EDUCATION

- B.S., Civil and Environmental Engineering, University College Cork, Ireland

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PROFESSIONAL REGISTRATIONS

- Professional Engineer, NJ 24GE04763600
- Professional Engineer, DE 20603
- Professional Engineer, OH 71499
- Professional Engineer, PA PE075102

PROFESSIONAL ORGANIZATIONS / MEMBERSHIPS

- American Society of Civil Engineers

KEY PERSONNEL RESUMES

SECTION 5

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SCOTT R. CAMPBELL, P.G.
SENIOR PROJECT MANAGER

Mr. Scott Campbell, P.G. with over 34 years of experience, spending the past 19 years at EARTHRES as a Senior Project Manager, of diversified environmental experience in permitting, sampling and compliance; site investigations and; remedial actions. Responsibilities include supervision of site closures, field sampling teams, investigation and remedial activities; review of hydrogeologic and chemical data; contract coordination and; development of work plans for subsurface and hydrogeological investigations. Areas of specialization:

- PA Act 2 Investigation, Remediation & Closure
- NJ ISRA Investigation, Remediation & Closure
- Preparation of Bid Documents and Demolition Oversight
- Facility Design, Permitting & Evaluation
- Due Diligence Assessments
- Phase I, II & III Site Environmental Assessments
- Hydrogeological & Geochemical Data Analysis
- Hydrogeological Field Investigations
- UST, AST & Bulk Storage Facility Assessments

EDUCATION

- Graduate Study, Hydrogeology, Wright State University
- B.S., Geology, Bloomsburg University of Pennsylvania

PROFESSIONAL REGISTRATIONS

- Professional Geologist, PA PG-000028-G
- Professional Geologist, TN 00001704
- OSHA Hazard Recognition
- OSHA HAZWOPER

PROFESSIONAL ORGANIZATIONS / MEMBERSHIPS

- American Society for Testing & Materials

KEY PERSONNEL RESUMES

SECTION 5

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- PA Association of Sewage Enforcement Officers (PASEO)
- National Ground Water Association
- PA Council of Professional Geologists
- American Association of Professional Geologists

KEY PERSONNEL RESUMES

SECTION 5

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JENNIFER L. TAYLOR, P.E.
PROJECT MANAGER

Ms. Jennifer Taylor, who has more than 22 years of experience working in the environmental consulting industry managing environmental projects for government agencies and private commercial clients, joined EARTHRES in early 2019. Jennifer's broad-based regulatory experience includes:

- Multi-Media Environmental Compliance and Auditing
- Regulatory Agency Negotiation
- Environmental Permitting
- Development and Implementation of Regulatory Plans

In addition, she has worked on site assessment and remediation project and managed storage tank compliance, inspection and repair projects. Her diverse project management experience thoroughly encompasses beginning to end, with responsibilities including, in addition to project executions, coordination with subcontractors and vendors, procurement of resources, creation and implementation of project schedules as well as preparation and submission of final deliverables.

EDUCATION

- B.S., Civil and Environmental Engineering, Pennsylvania State University

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PROFESSIONAL REGISTRATIONS

- Professional Engineer, PA PE056062E
- OSHA HAZWOPER

KEY PERSONNEL RESUMES

SECTION 5

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NICOLE C. WILSON, P.E.
TECHNICAL MANAGER – AIR QUALITY SERVICES

Ms. Nicole Wilson, P.E. is experienced and knowledgeable regarding environmental laws and policies, particularly as applied to air and waste media. As an environmental consultant specializing in air quality, she assists industrial clients such as chemical manufacturers, electric utilities, landfills, and waste facilities in applying the necessary policies, practices, or technology to allow them to achieve and maintain environmental compliance with local, state, and federal regulations. Areas of specialization:

- Air Quality Permitting & Compliance
- Regulatory Agency Interfacing
- Environmental Compliance & Reporting
- Database Development
- Environmental Air Quality Monitoring
- Environmental Compliance Auditing
- Emergency Planning & CRTK Act Compliance

EDUCATION

- M.S., Water Resources and Environmental Engineering, Villanova University
- B.S., Chemical Engineering, University of Rochester

PROFESSIONAL REGISTRATIONS

- Professional Engineer, PA PE073701
- Professional Engineer, NC 044751

PROFESSIONAL ORGANIZATIONS / MEMBERSHIPS

- Pennsylvania Society of Professional Engineers, Treasurer
- Air & Waste Management Association
- Society of Women Engineers

2-4.1.2 Description of Management Structure

Description of the Organization – Roles and Responsibilities:

President (Jeff LaRiviere) and Vice President (Ed Edwards): Jeff LaRiviere & Ed Edwards serve as President and Vice President for Neuber Demolition and Environmental Services. While they may not have everyday contact with this project, they will serve as intermediaries when necessary. They will attend construction meetings.

Project Manager (Tim Walter) and Assistant Project Manager (Chris Camp): The Project Manager for this project will be responsible for the overall management of the project. The Project Manager will be the direct line of communication with the Northeast Maryland Waste Disposal Authority. The Project Managers duties will include, requests for information, project scheduling, pay applications, subcontractor management, and contract changes. The Project Manager may not be onsite at all times, however, communication with the Project Manager will always be available.

The Assistant Project Manager will assist the Project Manager throughout construction and will have the same duties that include, requests for information, project scheduling, pay applications, subcontractor management, and contract changes.

Operations and Safety Manager (Chris D'Orazio): Safety is the top priority at Neuber Demolition and Environmental Services. We will employ a safety manager that we will be onsite anytime construction activities are taking place. The safety officer will be responsible for managing all aspects of safety on this project. The safety officer will utilize OSHA guidelines, EM385-1-1 guidelines, and any applicable local, state, or federal rules and regulations regarding safety. The safety officer will be responsible for accident reporting, material storage, safety training, safety program, and safety monitoring among many other safety related items. The Safety Officer will report directly to the Project Manager.

Chris D'Orazio will also be responsible for managing the quality control effort on this project. He will ensure testing requirements are taking place, review submittals, and monitor means and methods of construction. He will report to the Project Manager and will maintain site presence anytime construction activities are taking place.

Superintendent (Ryan Morba) and Foreman (George "JR" Parsons): The project Superintendent and Foreman are one of the more critical positions on this project. They are responsible for the day to day construction activities that take place on this project. They serve as the eyes and ears of the management staff and is qualified to act on their behalf. The Superintendent and Foreman will be required to attend any construction meetings that take place during the course of the project. Further, the Superintendent may elect to have weekly Superintendents meetings. These meetings are meant to bring all superintendents from contracted parties together to discuss project progress, conflicts, and ways to better work together. The project Superintendent and Foreman will be crucial in the success of this project; we are confident that our Superintendent and Foreman are prepared to complete this project. They will have an office at the onsite office trailer.

History of Working Relationship Between Team Members:

This team has a history of working together on multiple projects, completing them on-time and on-budget. Neuber's management staff conducted themselves in a positive and professional manner at all times. They worked closely with inspectors and other public works personnel to ensure that the scope of work is completed and meets the requirements. All team members are very knowledgeable and assist each other to meet schedules.

Some notable projects include:

- Spring City VA DEMO (PADGS): This exact Team performed the Spring City Veterans Administration Demolition and Asbestos Abatement Project for the Pennsylvania Department of General Services in Spring City, Pennsylvania. A significant demolition project that included abatement and demolition (including HAZMAT remediation) was performed on 210,000 SF, 23 multi-story buildings in an active VA Campus. Over 60,000 sf of non-friable ACM and 6000 lf of friable ACM was removed prior to demolition. Additionally an elevated water tower and in-ground covered water reservoir was removed. Project was completed on-time without incident including, quick and timely submittals, aggressive scheduling, and timely recognition of potential delays.
- The NASA Langley Wind Tunnel: This project was a complicated, albeit rewarding project for all parties involved. Neuber was able to deliver this project on schedule, on budget, and most importantly, without a safety incident.
- Waterfront Development Project: This project included the demolition of a 1950's era, 3 story, 180,000-sf steel processing plant. The team worked closely to ensure that all ACM materials were identified and removed prior to demolition.
- Harrisburg International Airport: A critical area of concern included prevention of FOD (Foreign Object Debris) during the demolition process as the work was directly adjacent to an active runway. The construction team made diligent efforts to keep the site clean of debris and minimize visible dust generated through the demolition.

Understanding of Services and Materials to be Provided on the Project:

Neuber understands the work needed to complete this project. The work consists of, but is not limited to:

1. Demolition and removal of:
    a. Buildings and all appurtenances to four feet below finish grade
    b. Utility tunnels
    c. Abandoned underground utility lines and duct banks
    d. Mechanical systems
    e. Electrical systems
    f. Plumbing systems
    g. Above ground items including but not limited to: fire hydrants, telephone poles, street lights/poles, concrete steps, and handrails
2. Thoroughly fracture slabs on grade, basement, and tunnel floors
3. Terminate underground tunnel at DGS property line with full height, grouted CMU retaining wall
4. Stabilize and reinforce tunnel roof beyond DGS property line
5. Provide suitable soil to backfill voids and around below-ground structures up to final grade
6. Replace sidewalks as required by collateral demolition
7. Grub and seed all affected areas per NPDES requirements
8. Remove HAZMAT's in accordance with guide specifications and earthwork guide specifications and HAZMAT and ESA reports
9. Coordinate termination of utilities and removal of all pertinent equipment from site with Utility Companies
10. Protect existing Department of Environmental Protection (DEP) weather station. Maintain two-way access through the main entrance/exit roads through parking lot D.
11. Remove and store artifacts for acquisition by the Pennsylvania Historical and Museum Commission
12. Acquire all required permits and reviews

Experience with Design Build Contract Projects:

EARTHRES' core services include: Environmental and Civil/Site Engineering, Investigations and Remediations, Geology and Hydrology, Solid Waste Engineering, Mining, Air Quality Services, Regulatory Compliance and Permitting. The professional staff consists of licensed or degreed

engineers from multiple engineering disciplines (environmental, chemical, civil, and mining) and licensed, certified or degreed scientists including surveyors, geologists, hydrogeologists, biologists, chemists, and environmental scientists. Key personnel have over 150 years combined experience in completion of engineering, permitting and compliance projects.

EARTHRES regularly works in the Lehigh Valley for both public and private sector clients and many of our personnel are from and/or live in the area. EARTHRES personnel possess specialized knowledge of environmental issues common in the Lehigh Valley, including sinkhole investigation and remediation, hydrogeologic investigations in karst areas, waste characterization and management, Act 2 investigations and brownfields development. EARTHRES personnel regularly complete permitting, design, and construction support projects for our Lehigh Valley and regional clients

2-4.1.3 Project Management Plan

Neuber understands the importance of the submittal process for this project. Proper management and scheduling of submittals is key to project success. The following information will be used for project deliverables to ensure a timely and responsive process:

Submittal Procedures:

A. Neuber's Project Manager will be responsible for the scheduling and control of all submittals including deviations from plans or specifications. The Submittal Schedule will be coordinated and kept up to date, with monthly reviews completed with NPS management.
B. The Submittal Schedule will be reviewed at least every thirty (30) days and an updated list of all past due submittals will be submitted to Pennsylvania Department of General Services. Amended dates will be furnished and corrective action will be noted. A complete updated Submittal Schedule will be furnished upon request to the Contracting Officer.
C. The Operations and Safety Manager will certify as correct and in strict conformance with contract drawings and specifications each submittal submitted.
D. All submittals will include a cover sheet. At a minimum, the following information will be included on the cover sheet:
    I. Name and address of submitter, plus name and telephone number of the individual who may be contacted for further information.
    II. Name of project as it appears on the RFP.
    III. Drawing number and Specifications Section number to which the submittal applies.
    IV. Whether this is an original submittal or resubmittal.
E. Submittals will be timed so that review, lead time, delivery, and potential resubmittal are adequately accounted for.

Project Deliverables:

At this time, the following are known project deliverables and Neuber plan of action for preparation and submission:

A. Demolition and removal of:
    I. Buildings and all appurtenances to four feet below finish grade
    II. Utility tunnels
    III. Abandoned underground utility lines and duct banks
    IV. Mechanical systems
    V. Electrical systems
    VI. Plumbing systems
    VII. Above ground items including but not limited to: fire hydrants, telephone poles, street lights/poles, concrete steps, and handrails
B. Thoroughly fracture slabs on grade, basement, and tunnel floors

C. Terminate underground tunnel at DGS property line with full height, grouted CMU retaining wall
D. Stabilize and reinforce tunnel roof beyond DGS property line
E. Provide suitable soil to backfill voids and around below-ground structures up to final grade
F. Replace sidewalks as required by collateral demolition
G. Grub and seed all affected areas per NPDES requirements
H. Remove HAZMAT's in accordance with guide specifications and earthwork guide specifications and HAZMAT and ESA reports
I. Coordinate termination of utilities and removal of all pertinent equipment from site with Utility Companies
J. Protect existing Department of Environmental Protection (DEP) weather station. Maintain two-way access through the main entrance/exit roads through parking lot D.
K. Remove and store artifacts for acquisition by the Pennsylvania Historical and Museum Commission
L. Acquire all required permits and reviews

A further breakdown of project of the work to be complete can be found in the Work Plan.

2-4.2 Work Plan:

2-4.2.1 Design-Build Concept

Design-build is a method of project delivery where one entity, Neuber, works under a single contract to provide both design and demolition services. Design-build is able to streamline project delivery, which saves time and money for DGS.

2-4.2.2 DBC and Retained Professional Relationship

Neuber and EARTHRES have a shared goal to provide results that exceed expectations. Our team strives to complete projects on-time, on-budget, and to the standard of quality that meets or exceeds DGS' expectations. We accomplish this goal by having a total team environment, where all project stakeholder's will have open communication and work side by side through all phases of construction.

Our team works together during the permitting and design phase, through the construction phase, and until the post-construction phase is complete. Our team works hand-in-hand to complete all permitting, submittals and shop drawings, and progress reports to ensure adherence with the design intent.

As in all construction projects, there will be times when conflicts occur on drawings and/or in actual field conditions or simply when information is needed for coordination. All conflicts will be resolved as a team, working closely to answer any field questions and RFI's that arise during the construction phase. We both keep record of all RFI's and their responses to provide quick project closeout, as-built and completion documentation submittals.

2-4.2.3 Phasing of the Design Effort

As acknowledged in the RFP, the informal pre-application meeting with the Lehigh County Conservation District will be critical to better defining the regulatory approach to the project and aligning DGS's schedule desires with the requirements of seeking a National Pollutant Discharge Elimination System (NPDES) Permit. If demolition work is to occur before the NDPES permit is issued, the documents and construction approach will need to limit building demolition to grade. Capturing the full type, size, location, and extents of soil contamination and getting DEP's acceptance of the Soil Management Plan will also be required before the NPDES permit is issued.

1. Attend Initial Job Conference
2. Request & attend LCCD informal pre-application meeting #1
    a. Confirm adequacy of site aerial survey
    b. Confirm pre- and post-development runoff coefficient & buildings' removal offsets 20% reduction of impervious
3. Request & review site utility drawings
4. Prepare site existing features plans from aerial survey & DGS site utility drawings
5. Review DGS environmental data & begin site characterization sampling & testing
6. Attend 2nd LCCD preapplication meeting.
7. Prepare Act 67/68 Municipal Notification Letters
8. Perform PNDI search
9. Prepare Notice of Intent (NOI) and other NDPES permit documents
10. Prepare background block plans for undocumented buildings to be removed
11. Confirm type, size, location & extents of Hazmat in buildings

12. Locate and salvage PHMC items
13. Prepare abatement design, drawings, and specifications
14. Prepare preliminary site design, drawings, details, and specifications
15. Prepare stormwater management analysis
16. Prepare E&S plan & narrative
17. Prepare UCC-4 and associated plans for 44 structures to be removed & submit to L&I
18. Prepare post-abatement building (structure) demolition plans
19. Prepare design, calculations, drawings, details, and specifications for capping the west underground tunnel.
20. Prepare front-end specifications for DGS review
21. Prepare technical specifications for DGS review
22. Submit NDPES permit application, reports, and drawings to LCCD
23. Attend DGS review meetings
24. Respond to DGS comments & make associated plan/spec revisions
25. Respond to LCCD Administrative comments and resubmit
26. Respond to LCCD technical review comment letter #1 and resubmit
27. Respond to LCCD technical review comment letter #2 and resubmit
28. Attend a pre-construction meeting with Subcontractors and LCCD
29. Prepare shop drawings and submittals
30. Review shop drawings, submittals
31. Install temporary facilities and E&S controls
32. Perform building demolition to grade
33. Perform soil cleanup
34. Perform below-grade building demolition
35. Restore paving damaged by demolition
36. Prepare as-built site drawings.
37. Achieve 70% permanent site vegetation stabilization
38. Request NPDES final inspection
39. Remove temporary facilities and E&S controls
40. Close out NPDES permit

2-4.2.4 Potential Design Issues

To minimize potential design issues, Neuber and the retained professional will perform an on-site inspection of existing conditions to reduce the amount of unknown conditions. Neuber's goal is to identify and integrate all on-site conditions during the design phase, minimizing the unknowns of the project.

2-4.2.5 Management & Minimization of DGS' Risk

With Neuber's extensive knowledge of demolition and abatement services and our history of success, DGS can feel safe knowing that the project will be completed on-time and on-budget. Neuber's team is geared toward efficiency and innovation, leading to cost savings and better quality of work. Having a single contract covering both the design and demolition will reduce DGS' administration burden and reduce the risk of change orders associated to inaccurate drawings.

2-4.2.6 Sequencing of Hazmat/Environmental Abatement, Demolition, and Site Restoration

Neuber will acquire all required permits and reviews prior to beginning work. Once permits are acquired, Neuber will begin the hazmat/environmental abatement. All hazardous material will be removed in accordance with guide specifications, earthwork guide specifications, and Hazmat and ESA reports.

Once hazardous material has been removed from the site, demolition of structures will begin. Neuber will coordinate with Utility Companies to terminate and removal of utilities and pertinent equipment from the site. The existing Department of Environmental Protection weather station will be protected, and access maintained open. Neuber will remove and store any salvaged artifacts requested for acquisition by the Pennsylvania Historical and Museum Commission. The buildings mechanical, electrical, and plumbing systems will be demolished. Above ground items including but not limited to: fire hydrants, telephone poles, street lights/poles, concrete steps, and handrails will be removed. Buildings and all appurtenances will be removed to four feet below finish grade. Utility tunnels will be demolished to the DGS property line and the tunnels beyond the DGS property line will be stabilized and reinforced. Retaining walls be erected to terminate the underground tunnel at the DGS property line. Suitable soil will be backfilled in all created voids to final grade. Any sidewalks damaged during the demolition process will be replaced as required.

Site restoration will be the final step towards project completion. Site Restoration will be completed per NPDES requirements. NPDES provides examples of stabilization measures that are summarized below.

- *Temporary Seeding* - Seeding of temporary vegetation provides stabilization by establishing vegetative cover at areas of the site where earth disturbing activities have temporarily ceased but will resume later in the construction project. Without temporary stabilization, soil can be exposed to precipitation for an extended period leaving it vulnerable to erosion, even though earth-disturbing activities are not occurring on these areas. Temporary seeding practices have been found to be up to 95 percent effective in reducing erosion.
- *Permanent Seeding* - Establishing a permanent and sustainable ground cover at a site stabilizes the soil and hence reduces sediment in runoff. Permanent seeding is typically required at most sites for aesthetic reasons.
- *Mulching* - Mulching is often done coupled with permanent and temporary seeding. Where temporary or permanent seeding is not feasible, exposed soil can be stabilized by spreading plant residues or other suitable materials on the soil surface. Although generally not as effective as vegetation, mulching by itself provides a measure of temporary erosion control. Mulching in conjunction with seeding provides erosion protection prior to the onset of plant growth. In addition, mulching protects newly-applied seeds, providing a higher likelihood of successful vegetation. To maintain its effectiveness, mulch should be anchored to resist wind displacement.
- *Sod Stabilization* - Sod stabilization involves establishing long- term stands of grass by planting sod on exposed surfaces. When maintained properly, sod can be more than 99 percent effective in reducing erosion and is the most immediately effective vegetation method available. However, the cost of sod stabilization (relative to other vegetative controls) typically limits its use to situations where a quick vegetative cover is desired (e.g., steep or erodible slopes) and sites

which can be maintained with ground equipment. Sod is also sensitive to climate and may require intensive watering and fertilization.

- *Vegetative Buffer Strips* - Vegetative buffer strips are indigenous or replanted strips of vegetation located at the top and bottom of a slope, outlining property boundaries or adjacent to receiving waters such as streams or wetlands. Vegetative buffer strips can slow runoff at critical locations, decreasing erosion and allowing sedimentation. They can be especially useful for very narrow linear construction projects such as underground utilities or pipelines.
- *Preservation of Trees* - This practice involves preserving selected trees already on-site prior to development. Mature trees provide extensive canopy and root systems which protect and hold soil in Guidelines for Erosion and Sediment Control in California; USDA, Soil Conservation Service, Davis, CA; revised 1985. 2 Ibid. Small and Large Construction Activities 12 Fact Sheet place. Shade trees also keep soil from drying rapidly, decreasing the soil's susceptibility to erosion. Measures taken to protect trees can vary significantly, from simply installing tree armor and fences around the drip line, to more complex measures such as building retaining walls and tree wells. Along with the erosion benefits provided by trees, they can also add to the aesthetics and value of the property.
- *Contouring and Protection of Sensitive Areas* - Contouring refers to the practice of building in harmony with the natural flow and contour of the land. By minimizing changes in the natural contour of the land, existing drainage patterns are preserved as much as possible, thereby reducing erosion. Minimizing the amount of regrading done will also reduce the amount of soil being disturbed. The preservation of sensitive areas at a site such as steep slopes and wetlands should also be a priority. Disturbance of soil on steep slopes should be avoided due to vulnerability to erosion. Wetlands should be protected because they provide flood protection, pollution mitigation and an essential aquatic habitat.

2-4.2.7 Removal of Asbestos, Universal Waste, Hazardous Waste, and Contaminated Soil

Neuber understands that demolition and abatement are critical components of this project. If awarded, Neuber will submit for approval a demolition plan, an asbestos abatement plan, and any other demolition related plans deemed necessary. While these plans will provide a more detailed outline of demolition and abatement activities, the following information will be used as a general guideline:

Existing Conditions and Items to be Left in Place: Necessary precautions will be taken to avoid damage to existing items to remain in place, to be reused, or to remain the property of the Government. Repair or replace damaged items as approved by the Contracting Officer.

We will not disturb existing construction beyond the extent indicated or necessary for installation of new construction. Provide protective measures to control accumulation and migration of dust and dirt in all work areas. Remove dust, dirt, and debris from work areas daily.

Existing Utilities: Neuber will maintain existing utilities indicated to stay in service and protect against damage during demolition and deconstruction operations. Prior to start of work, utilities serving each area of alteration or removal will be shut off, disconnected, and sealed by the Contractor.

Existing Conditions: Before beginning any demolition work, survey the site and examine the drawings and specifications to determine the extent of the work. Record existing conditions in the presence of the Contracting Officer showing the condition of structures and other facilities adjacent to areas of alteration or removal. It is the Contractor's responsibility to verify and document all existing utilities and conditions.

Debris Removal: Remove debris and rubbish from all excavations and similar excavations. Remove and transport the debris in a manner that prevents spillage on streets or adjacent areas. Apply local regulations regarding hauling and disposal.

Dispose of debris, rubbish, scrap, and other non-salvageable materials resulting from removal operations with all applicable federal, state and local regulations as contractually specified in the Waste Management Plan (submitted upon contract award). Storage of removed materials on the project site is prohibited. Waste Management Plan will also address hazardous material handling, transportation, and disposal.

Hazardous Material Identification: While in transit with hazardous materials, all Neuber vehicles or subcontractor vehicles will have the necessary packing, placards, signage, markings, and spill response materials in accordance with all applicable local, state, and federal regulations.

Hazardous Waste Disposal: Hazardous waste accumulated on this project shall be transported to an approved hazardous waste treatment, storage, or disposal facility within 90 days of the accumulation start date on each container. Ship hazardous wastes only to facilities which are properly permitted to accept the hazardous waste or operating under interim status. Ensure wastes are treated to meet land disposal treatment standards prior to land disposal. Waste shipment records will be prepared as required for shipments of asbestos. Submit waste shipment records to the Contracting Officer for review and approval. Waste shipment records shall be signed by the Contractor. Further hazardous waste disposal guidelines will be outlined in the Waste Management Plan to be submitted upon project award.

Asbestos Abatement: A detailed asbestos abatement plan will be submitted upon project award. Neuber will adhere to the most stringent federal, state, and local requirements with respect to asbestos abatement. The asbestos abatement plan will contain specific information regarding personal protective equipment, decontamination units, signs and labeling, tools, equipment, and removal procedures.

Asbestos Collection: Generally speaking, asbestos containing materials will be collected for disposal in the following way; collect asbestos waste, asbestos contaminated water, scrap, debris, bags, containers, equipment, and asbestos contaminated clothing which may produce airborne concentrations of asbestos fibers and place in sealed fiber-proof, waterproof, non-returnable containers (e.g. double plastic bags 6 mils thick, cartons, drums or cans). Specific instructions on collection and disposal will be outlined in the asbestos abatement plan which will be submitted upon project award.

Site Inspection: Neuber Demolition and Environmental Services will encourage regular site inspections by the contracting officer during asbestos abatement operations. If the contracting officer finds any deficiencies, abatement operations will cease at once until deficiencies are corrected and contracting officer has given approval to continue.

Emergency Contacts: Whenever hazardous waste is shipped, Neuber Demolition and Environmental Services will establish a 24-hour emergency contact. Further, the hazardous material will clearly be identified with the number for emergency contact, the local fire department number, location of fire extinguishers and spill kits, and the type of hazardous material being shipped.

Air Quality Management Plan: Neuber will submit an Air Quality Management Plan upon project award. The Air Quality Management Plan will cover, at minimum, air quality protection, minimizing impacts to surrounding areas, air quality monitoring, and mitigation. Keep construction activities under surveillance, management and control to minimize pollution of air resources. Keep activities, equipment, processes, and work operated or performed, in strict accordance with the State Environment Laws, the State Air Pollution Control Rules and Federal emission and performance laws and standards. Maintain ambient air quality standards set by the Environmental Protection Agency, for those construction operations and activities specified. Neuber shall comply with all the applicable air quality requirements

- Particulates: Control dust particles, aerosols, and gaseous by-products from all construction activities, processing, and preparation of materials at all times, including weekends, holidays, and hours when work is not in progress.

- Hydrocarbons and Carbon Monoxide: Control monoxide emissions from equipment to Federal and State allowable limits.

- Water will not be used to control dust when it causes runoffs, stormwater system pollution, nuisance, freezing, or flooding.

2-4.2.8 Elements of the Building Demolition Plan

The building demolition plan will show the guidelines and sequencing for building demolition. Neuber will begin with terminating and removing building utilities. Neuber will coordinate with Utility Companies to complete this step. Once utilities have been terminated, Neuber will remove and store any salvaged artifacts requested for acquisition by the Pennsylvania Historical and Museum Commission. Once these items are removed, Neuber will demolish interior mechanical, electrical, and plumbing systems. Once the interior of the building has been demolished, the buildings and appurtenances will be removed to four feet below finish grade.

2-4.2.9 Project Safety Plan, Site Security, and Monitoring

It is the Policy of Neuber to maintain and support a Safety Program that will establish and maintain an accident-free (Zero-Mishap) work site to ensure the safety and health of their employees, and to protect company and government property throughout the duration of any construction project. It is the goal of Neuber to provide safe and healthful working conditions for all Company Employees and its subcontractors in accordance with the OSHA general duty clause. Neuber's safety program provides means and procedures to establish, monitor and enforce the program through training and daily inspection of all construction activities within the functional limits of the project. It is the responsibility of the Project Manager to insure the implementation of the Safety Program in accordance with the policies and standard procedures outlined by OSHA standards.

*This safety policy will be made known to all employees when they first join the project work force and will be reiterated to all job-site personnel at daily "Tool-Box" Safety Meetings, Monthly Meetings of Supervisors and Foremen and through daily safety inspections conducted by the Project Superintendent and Quality Control Representatives.

The responsibilities of every Neuber employee are founded in five main objectives:

- To have ZERO injury or fatalities to any person on the job-site.
- To have ZERO equipment or property damage.
- To be recognized as an outstanding safety organization by government agencies.
- To document via daily reports all safety violations and corrective actions.
- Reduce Neuber's current EMR rating as a result of this project's safety performance.

Neuber's Safety Program has a Safety Incentive Plan that has been implemented by the corporate safety officer to enhance the current safety record attained by Neuber Demolition and Environmental Services. Neuber Demolition and Environmental Services is extremely interested in the safety of their employees, subcontractors and with providing them with a safe workplace. This program is intended to say "thank you" from the Company President to the Neuber Demolition and Environmental Services employees for working hard to maintain safe work practices and a safe workplace.

Purpose: The program is designed to reward those employees without a lost time injury. An employee who is injured and treated at a preferred company medical clinic is eligible for the reward if they return to work on either the same day or the following day of the reported injury.

Incentives: Both monetary and non-monetary rewards will be given to those employees who meet and exceed safety and health expectations of Neuber Demolition and Environmental Services in the five main categories previously listed.

Upon project award, Neuber Demolition and Environmental Services will provide a site safety and health officer and a company safety staff assigned to this project.

Neuber Demolition and Environmental Services Site Safety and Health Officer will aid in the development, dissemination, implementation and administration of all aspects of accident prevention, fire protection, preventive first-aid and other safety policies. SSHO will be present at jobsite anytime work is taking place. Further, SSHO will have written authority from a company officer to manage all aspects of project safety, including stopping work due to unsafe acts. Further SSHO responsibilities will be outlined in the Accident Prevention Plan.

During the design phase of this project, Neuber Demolition and Environmental Services will pay strict attention to the incorporation of safety into this project. In addition to the corporate safety plan, an Accident Prevention Plan and Activity Hazard Analysis will be required. The project will be designed with safety as upmost priority.

Neuber Demolition and Environmental Services is committed to proper accident reporting. Neuber Demolition and Environmental Services will comply with the following procedures. The Neuber Demolition and Environmental Services Operations and Safety Manager will maintain a "Monthly Accident Exposure Report" which will record the number of employees and number of man-hours worked (Neuber workforce and all subcontractors) and will be submitted to the Government Representative at time of Monthly Pay Request. The monthly report will only include the man-hours working at the project site and will be reported for a "full" month. Further accident reporting guidelines will be identified in the Accident Prevention Plan.

Neuber will conduct and coordinate safety inspections that will verify work is being performed in accordance with the company's safety requirements, and all applicable OSHA requirements. In the event that an inspection identifies a safety issue; Neuber will systematically contain the issue and make immediate corrections in the following three stage process:

- Control the continuation of work
- Recording of nonconformance
- Corrective actions

In the event of an incident occurs, the Operations and Safety Manager for Neuber will conduct and root cause analysis of the incident. The Operations and Safety Manager will record the results of the analysis on an Accident Investigation Report.

Neuber will mitigate the possibility of an incident occurring by having the Operations and Safety Manager and Project Superintendent perform daily site safety inspections. The SSHO and Project Superintendent will also conduct more detailed feature of work safety inspections. The feature of work safety inspections will involve but not be limited to the following:

- Pre-work job site inspection
- Initial job readiness inspection immediately prior the work beginning
- Follow-up work in process safety inspection
- Inspection at time of completion for the feature of work
- Any deficiencies found during these inspections will be noted for corrective action(s) in a deficiency log. The SSHO will establish a date for the corrective action(s) to be completed.

Although problems found during safety inspections will undoubtedly be corrected, it is Neuber Demolition & Environmental Services' commitment to the prevention of recurrence that is the key to improving job site safety. Solutions to prevent recurrence may involve a combination of enhanced process controls, training, upgraded personnel qualifications, improved processes, use of higher-grade

materials, or awards for best safety practice. Follow-up safety inspections will be used to ensure that an incident has been completely resolved. If the problem(s) remain, the process will be repeated. Dependent upon the severity of a safety violation or the reoccurrence of violations; NDES reserves the right to dismiss subcontractor's personnel or the subcontractor from the job site.

Evacuation: If an evacuation is deemed necessary by Neuber, the Emergency Response Team will advise all workers by means of an air horn that will sound on and off in 5 second intervals for 30 seconds. Neuber will also make every attempt to contact each subcontractor by means of the telephone or cell phone. All workers will be advised to report to the one of the three nearest Assembly Areas (Field Office) located at the parking area in front of the site trailers. When gathered, all contractors are to take a man count to ensure all workers are accounted for. This will then be reported to Neuber Operations and Safety Manager. After all workers are accounted for, Neuber's management will advise sub-contractors management to leave the site in an orderly fashion.

Bomb Threat: All bomb threats are to be treated as a serious matter and it is of the utmost importance that advance planning be made to deal with these threats. Usually a phone call is from an anonymous source stating that a bomb has been placed in a work area. When the potential for destruction exists, the safety of the occupants is a primary consideration. The procedures outlined below should be followed whether or not the threat appears to be bonafide.

A. The recipient of the bomb threat should remain calm. Gain as much information as possible (i.e. Where, When, What and How). Listen for background noises that may help identify the caller or the source of the call.
B. Notify the SSHO, base security or your manager immediately.

Do not participate or initiate a search for a bomb unless requested by police personnel. If a suspicious object is located, under no circumstances should any personnel attempt to touch or move it. Your responsibility is to ensure a safe and orderly evacuation of the premises.

All bomb threats will be considered to be real until proven otherwise. Prompt notification and communication is imperative. Neuber will cooperate with the evacuation from all or a portion of the building when requested.

Emergency Response: Our objective is to eliminate any confusion about emergencies, should one occur. The emergency response team's responsibility will be posted on the project. It establishes procedures for calling for help, emergency response, requirements for handling the media, and emergency communication responsibilities.

If an emergency occurs, the closest supervisor to the incident will be summoned for help. That supervisor will call Neuber Superintendent for notification of emergency services (i.e. POLICE, FIRE DEPARTMENT, and AMBULANCE) via 911. Emergency response teams will be summoned to emergencies at a maximum interval of 24 hours, although, Neuber will take every action necessary to resolve emergency situations in a timely, safe, fashion.

After making that call, the superintendent will radio the field supervisors and direct them to their assigned locations. These supervisors will proceed to assigned locations to direct emergency vehicles to the incident location. They will also clear all construction traffic, so as not to slow the emergency vehicles. After making his calls, the superintendent will go to the emergency location and eliminate the danger so no one else will get hurt, render immediate first aid or CPR, and stabilize the employee's condition as much as possible or, assess the emergency situation and begin to take corrective action. Other examples of emergency situations would be fires, Acts of God, or hazardous materials spills.

All construction activities will be terminated in the incident area until all emergency vehicles have left the jobsite. Non-construction personnel, such as salesmen, vendors, owners, Architects, Consultants,

etc., will be directed to proceed to Neuber's jobsite office, which has been established as the CLEAR ZONE.

Media covering the emergency will also be directed to Neuber's CLEAR ZONE. Neuber's President is the only person authorized to speak with the media. We will instruct our staff to refrain from having any conversation with any individuals other than their immediate supervisor or a Neuber representative about the accident.

Security Clearances: Neuber understands the sensitivity of the work environment with respect to this project. We are committed to providing the most secure, safe, worksite possible. Neuber will comply with all regulations regarding project access, project identification, vehicle identification, and any other security measures set forth by the contracting officer.

All vehicles will be properly identified and badged and will be subject to search and seizure by authorized personnel. All employees working on this project for Neuber will adhere to our strict, zero tolerance, drug and alcohol policy.

Site Visitor/Personnel Log: Neuber will maintain a visitor log and personnel log for all personnel that visit the construction project. This log will be turned over to government representatives upon request.

Material/Laydown Storage and Security: As part of the Accident Prevention Plan, Neuber will provide a sketch of designated material, equipment, and temporary facilities. All materials and equipment sensitive to theft or other security concerns, will be properly secured through fencing, barricades, or a combination of both. Further, all equipment and material sensitive to weather conditions will be properly covered and stored per manufacturers recommendations.

2-4.2.10 QA/QC Plan Outline and Effectiveness

Once awarded, Neuber will develop and submit a Quality Control Plan. This plan will be used as a guideline for the project and will include the following:

- A description of the quality control organization, including a chart showing lines of authority and acknowledgment that the CQC staff shall implement the three-phase control system for all aspects of the work specified. The staff shall include a CQC System Manager who shall report to the project superintendent
- The name, qualifications (in resume format), of each person assigned a CQC function
- Duties, responsibilities, and authority of each person within the QC Organization
- A listing of outside organizations such as architectural and consulting engineering firms that will be employed by Neuber and a description of the services these firms will provide
- Letters signed by the President/Vice President of Neuber appointing the QC Manager and Alternate QC Manager and stating that they are responsible for managing and implementing the QC Program as described in the contract. The letter will also indicate the QC Manager's authority to direct the removal and replacement of non-conforming work.
- Procedures for scheduling, reviewing, certifying, and managing submittals. Provide the name(s) of the person(s) in the QC Organization authorized to review and certify submittals prior to approval
- Testing Laboratory Information as required by the specifications
- Control, verification, and acceptance testing procedures for each specific test to include the test name, specification paragraph requiring test, feature of work being tested, test frequency, and person responsible for each test. (Laboratory facilities will be approved by the Contracting Officer)
- Procedures to identify, record, track, and complete rework items
- Reporting procedures, including proposed reporting formats

- A list of the definable features of work. A definable feature of work is a task which is separate and distinct from other tasks, has separate control requirements, and may be identified by different trades or disciplines, or it may be work by the same trade in a different environment. Although each section of the specifications may generally be considered as a definable feature of work, there are frequently more than one definable feature under a particular section. This list shall be agreed upon during the coordination meeting
- Procedures for tracking preparatory, initial, and follow-up control phases and control, verification, and acceptance tests including documentation
- Personnel Matrix showing reviewing authority, approving authority, 3 phases of control authority, and testing documentation/performance authority for the following items:
    - Price and Payment Procedures
    - Submittal Procedures
    - Safety and Occupational Health Requirements
    - Construction Quality Control
    - Environmental Protection
    - Closeout Procedures
- Procedures for the punch-out inspection, pre-final inspection and final inspection

2-4.3 Project Master Schedule:

2-4.3.1 Executive Level Critical Path Method Schedule

Demolition of Buildings/Structures - Allentown State Hospital — Classic Schedule Layout — 09-Oct-19 17:39

	Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Activity % Complete	Total Float
1		**Demolition of Buildings/Structures - Allentown State Hospital**	543	543	12-Nov-19	07-May-21		0
2		**Milestones**	374	374	12-Nov-19	07-May-21		0
3	M1080	Notice of Award	0	0	12-Nov-19		0%	0
4	M1070	Design Phase Starts	0	0	12-Nov-19		0%	0
5	M1010	Hazmat/Environmental Abatement Starts	0	0	19-Dec-19		0%	0
6	M1080	Design Phase Complete	0	0		10-Mar-20	0%	0
7	M1020	Hazmat/Environmental Abatement Complete	0	0		09-Jul-20	0%	0
8	M1030	Demolition Starts	0	0	10-Jul-20		0%	0
9	M1040	Demolition Complete	0	0		01-Feb-21	0%	0
10	M1050	Substantial Completion	0	0		16-Mar-21	0%	0
11	M1060	Contract Completion Date	0	0		07-May-21	0%	0
12		**Pre-Construction**	158	158	12-Nov-19	09-Apr-20		0
13	P1000	Acquire Permits	158	158	12-Nov-19	09-Apr-20	0%	0
14		**Design Development**	110	110	12-Nov-19	28-Feb-20		0
15	DD1000	Develop & Submit 60% Construction Drawings	58	58	12-Nov-19	11-Dec-19	0%	0
16	DD1010	Develop & Submit 95% Construction Drawings	58	58	23-Dec-19	25-Jan-20	0%	0
17	DD1020	Develop & Submit 100% Construction Drawings	58	58	06-Jan-20	28-Feb-20	0%	0
18		**Design Review & Approval**	99	99	12-Dec-19	10-Mar-20		0
19	DR1000	Review & Approve 60% Design Drawings	19	19	12-Dec-19	21-Dec-19	0%	0
20	DR1010	Review & Approve 95% Design Drawings	19	19	21-Jan-20	30-Jan-20	0%	0
21	DR1020	Review & Approve 100% Construction Drawings	19	19	09-Mar-20	10-Mar-20	0%	0
22		**Submittal Development**	125	125	12-Nov-19	10-Mar-20		0
23	SD1000	Develop & Submit Submittals	125	125	12-Nov-19	10-Mar-20	0%	0
24		**Submittal Review & Approval**	125	125	12-Dec-19	09-Apr-20		0
25	SR1000	Review & Approve Submittals	125	125	12-Dec-19	09-Apr-20	0%	0
26		**Construction**	318	318	12-Dec-19	17-Mar-21		0
27	C1000	Mobilization	5	5	12-Dec-19	18-Dec-19	0%	0
28	C1010	Hazmat/Environmental Abatement	148	148	19-Dec-19	09-Jul-20	0%	0
29	C1030	Demolition	148	148	10-Jul-20	01-Feb-21	0%	0
30	C1035	Erosion & Sediment Controls	20	20	09-Feb-21	03-Mar-21	0%	0
31	C1040	Site Restoration	20	20	19-Feb-21	17-Mar-21	0%	0
32		**Post Construction**	37	37	18-Mar-21	07-May-21		0
33	PC1000	Final Inspection	1	1	18-Mar-21	18-Mar-21	0%	0
34	PC1010	Develop Punchlist	15	15	19-Mar-21	08-Apr-21	0%	0
35	PC1030	Close-Out Submittals	30	30	19-Mar-21	29-Apr-21	0%	0
36	PC1020	Complete Punchlist	15	15	09-Apr-21	29-Apr-21	0%	0
37	PC1040	Notice of Termination (NPDES Permit) & Other Permits	1	1	30-Apr-21	30-Apr-21	0%	0
38	PC1050	Demolition	5	5	03-May-21	07-May-21	0%	0

2-4.3.2 Firm Milestones

The above schedule is an executive level Critical Path Method schedule. A fully detailed and complete design and construction schedule will be developed upon receipt of the Notice of Award.

This schedule is based off the requirements set in the RFP. The total project duration of this project is 546 days, with the design phase taking 120 days. Both the design phase and the permitting for the project will begin as soon as Notice of Award is received.

Other requirements of the executive level schedule are as follows:

a. All design submissions and submittal approvals
b. Demolition permitting submissions and approvals
c. Start/finish of hazmat/environmental abatement
d. Erosion and sediment controls
e. Start/finish demolition
f. Site restoration
g. Substantial completion and completion of punch list
h. Notice of Termination (NPDES permit) and other permits

2-4.3.3 Schedule Narrative

Challenges of the Schedule:

The challenge to the Schedule and the project in a whole would be weather delays and other unknown conditions.

To reduce or eliminate possible weather delays, Neuber will anticipate and include weather delays when developing the detailed schedule. Weather Days will be developed using the National Oceanic and Atmospheric Administration's (NOAA) historical data. To come up with reasonable anticipated weather days, Neuber will take into account factors beyond that represented in the historical weather data such as the type of work and materials on the project, the location of the project, and all the different types of weather conditions that can occur during the project period.

To reduce the amount of unknown conditions, Neuber Demolition and Environmental Services intends on providing a design that is thorough enough that no unforeseen events or condition arise. However, there is always the threat of the unknown. Generally speaking, there are two types of Unforeseen Events and Conditions (Differing Site Conditions):

Type I – A condition that exists materially from contract documents. One common form of Type I Differing Site Conditions is when boring logs do not show rock and the contractor encounters rock during excavation, pile driving, etc.

Type II – A physical condition of unknown or unusual circumstance. An example of this would be an abandoned structure unknown of, below grade.

In accordance with FAR Clause 52.236-2 "Differing Site Conditions," If Neuber finds a Type I or Type II Differing Site Condition, we will promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of (1) subsurface or latent physical conditions at the site which differ materially from those indicated in this contract, or (2) unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the contract. (b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, an equitable adjustment shall be made under this clause and the contract modified in writing accordingly. (c) No request by the Contractor for an

equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required.

Critical Aspect of Schedule:

The critical aspects to the schedule include permitting, design phase, and the construction phase. To keep the project on schedule, Neuber will begin the permitting process and the design phase as soon as Notice of Award is received. To keep the construction phase starting on time, Neuber will begin the submittal phase during the design phase to keep the lag between design and construction minimal. Construction activities will begin promptly and made sure to keep the schedule on track.

Schedule Logic:

Schedule Logic ensures connections between schedule activities. The schedule content is synchronized by the "predecessor-successor" relationship. Every activity or milestone starts only after its preceding activity is completely or partially completed.

All activities will have a predecessor and successor with the exception of the Notice of Award and Contract Completion Date. Activities and milestones are logically sequenced and can be performed in a predictable way.

Logic is important to the schedule, as it sets precedence and subsequence of activities. Logic will show when tasks will need to be completed to meet the project deadlines. Neuber will develop a detailed schedule once notice of award is received and with that, develop a complex logic network. The risks associated to logic would be being able to start work on one activity before it's predecessor is completed. At each monthly schedule update, Neuber's scheduling software will show these out-of-sequence activities. Neuber will make revise to the logic of sequence tasks to more accurately show how the project will flow and will provide all logic changes as part of the monthly schedule narrative. A blank outline of the schedule narrative is provided at the end of this section.

Team Process to Ensure achievement of Critical Milestone Dates:

Neuber's team will utilize the schedule to identify activities that will need to be focused on to meet the Critical Milestone Dates. If any task falls behind schedule, Neuber will analyze it's effect on the overall project and develop a plan of action to recover lost time. Neuber can recover lost time shifting the order that tasks will be completed, adding additional manpower to a task, or increasing working hours.

Pennsylvania Department of General Services
Allentown State Hospital Demolition – [Month] 2019

CONTRACTOR: Neuber Demolition and Environmental Services
PROJECT: Allentown State Hospital Demolition
City of Allentown, Lehigh County, PA
City of Bethlehem, Lehigh County, PA
PRJ. NO.: DGS C-0501-0022 DBC Phase 1
REPORT NO. 1
SCHEDULE: [Month] Update
RPT DATE: [Date Report Was Made]
START DATE: 12-Nov-19
FIN DATE: 07-May-21
DATA DATE: [Latest Data Date of Schedule]

The attached schedule and reports is for the [Month] update. This and all future schedules will be done with Primavera Project Planner (P6) software.

PROGRESS MADE IN EACH PHASE OF THE SCHEDULE:

MILESTONES

A project milestone is a management tool that is used to delineate a point in a project schedule. These points can note the start and finish of a project and mark the completion of a major phase of work.

Milestone		
Activity ID	**Activity Name**	**Date Completed**
M1000	Notice of Award	12-Nov-19
M1070	Design Phase Starts	12-Nov-19
M1010	Hazmat/Environmental Abatement Starts	19-Dec-19
M1080	Design Phase Completes	10-Mar-20
M1020	Hazmat/Environmental Abatement Completes	09-Jul-20
M1030	Demolition Starts	10-Jul-20
M1040	Demolition Completes	01-Feb-21
M1050	Substantial Completion	18-Mar-21
M1060	Contract Completion Date	07-May-21

ACTIVITIES COMPLETED

A list of activities that have been completed during a given month will be provided below.

Activities Completed		
Activity ID	**Activity Name**	**Completion Date**

ACTIVITIES THAT HAVE STARTED OR HAVE BEEN UPDATED

A list of activities that have been started or have been updated during a given month will be provided below.

Activities Started/Updated			
Activity ID	**Activity Name**	**Date Started**	**Date Completed**

CRITICAL PATH:

Please see attached critical path schedule.

There are currently 28 activities that are critical. We will be actively working toward completing these items in an effort to gain ground on the project.

Critical Activities	
Activity ID	**Activity Name**
C1000	Mobilization
C1010	Hazmat/Environmental Abatement
C1020	Erosion & Sediment Controls
C1030	Demolition
C1040	Site Restoration
DD1000	Develop & Submit 60% Construction Drawings
DD1010	Develop & Submit 90% Construction Drawings
DD1020	Develop & Submit 100% Construction Drawings
DR1000	Review & Approve 60% Construction Drawings
DR1010	Review & Approve 90% Construction Drawings
DR1020	Review & Approve 100% Construction Drawings
P1000	Acquire Permits
PC1000	Final Inspection
PC1010	Develop Punchlist

PC1020	Complete Punchlist
PC1030	Close-Out Submittals
PC1040	Notice of Termination (NPDES Permit) & Other Permits
PC1050	Demobilize
SD1000	Develop & Submit Submittals
SR1000	Review & Approve Submittals

Changes to CPM Schedule:

Changes to the CPM schedule will be identified in this section.

Out of Sequence/Logic Changes Activities					
Activity ID	**Activity Name**	**Pred**	**Action**	**Suc**	**Action**

DATE/TIME CONSTRAINT(S), OTHER THAN THOSE REQUIRED BY THE CONTRACT:

There are no date and/or time constraints in the schedule aside from those required by contract.

ADJUSTMENTS/CHANGES TO ANY ACTIVITY EARNED AMOUNTS:

Changes made to the CPM schedule that affect earned value amounts will be described in this section.

SCHEDULING ISSUES

CURRENT AND ANTICIPATED DELAYS:

Current and anticipated delays will be described in this section.

CURRENT AND FUTURE SCHEDULE PROBLEMS:

Current and future schedule problems will be described in this section

2-4.4 Qualifications:

The qualifications of the design build contractor, the design – retained professional, and the construction (demolition) – general construction\demolition entity have been combined per the RFP statement:

"Proposer shall provide clear and concise information that will demonstrate the following qualifications. Combine if Joint Venture, Partnership, or other legally combined entity."

2-4.4.1 / 2-4.4.2 / 2-4.4.3 Design Build Contractor Qualifications

2-4.4.1a / 2-4.4.2a / 2-4.4.3a Experience on Design Build Projects

BIDDER's DESIGN BUILD EXPERIENCE:

CASE STUDY # 1

Project Name:	Plant Demolition Abatement Measures and Permitting, Rockwood Pigments		
Project Address:	Northampton County, PA		
Start Date:	2013	**End Date:**	2018
Owner Contact:	John Bonner, Venator Corporation	**Contact Phone Number:**	704-455-4176
Project Cost:	$66,000.00		

Description:

Designed abatement measures to contain stormwater runoff from Brook Creek during plant demolition activities. Tasks included a 3D-scan and survey of the Brook Creek enclosure flowing through the facility; Brook Creek bypass evaluation; containment storage and treatment evaluation; permitting evaluation; pre-application meeting with the regulatory agencies; and project bidding. EARTHRES surveyed the existing Brook Creek enclosure and included the mill race, specifically the inlet from the Bushkill Creek, concrete spillway, and general geometry, as well as additional surface features, drainage divides, inlets, swales, and existing drainage structures. The bottom elevation and material of the enclosure were verified, defining the approach and permitting.

EARTHRES completed an evaluation of the Brook Creek bypass to determine the base and peak flows from standard engineering practices (Streamstats, SCS method, rational method and other methodology), and verified through published flood maps, stream gauges, and online resources for the area. Upon completion of the survey, the size and material of Brook Creek bypass flume/culvert and the size of the pipe was determined based on the open space available and the slope. The resulting capacity was conveyed (2-, 5-year, etc.), and the location and structure of the downstream containment berm (dam) was assessed.

EARTHRES analyzed the existing site stormwater runoff in the evaluation of the storage and treatment capacity to contain the facility during demolition. The analysis yielded the quantity (rate and volume) of runoff from the existing site, and an instream storage area comprised of an earthen dam was sized and located at the end of the Brook Creek enclosure. The resulting capacity was translated into terms of a design storm event that can be contained. The analysis included a review of existing facility maps depicting the existing stormwater conveyance system. The assessment highlighted areas for diversion which included drainage divides, sub drainage areas, and segregated areas of the facility. Taking into consideration the numerous conduits (roof drains, inlets, etc.) that discharge directly to the Brook Creek, the focus of the diversion areas were along the periphery of the facility. An existing treatment pond was integrated into waste water treatment. EARTHRES evaluated the capacity needed to contain, pump, and treat the runoff from the active demolition area.

EARTHRES reviewed the regulatory requirements for permitting the demolition project. Stakeholders included Wilson Borough, City of Easton, the Northampton County Conservation District (NCCD), Pennsylvania Department of Environmental Protection Northeast Regional Office (PA DEP NERO), Delaware River Basin Commission (DRBC), and United States Army Corps of Engineers (USACE). EARTHRES provided a memo outlining the permitting requirements for the proposed approach and conducted a pre-application meeting with PA DEP NERO which included an agenda of discussion items, project exhibits and presentation of the project objectives and conceptual design.

EARTHRES also assisted the facility with closure of two surface wastewater treatment ponds, specifically, with preparation and submission of an Erosion and Sedimentation (E&S) Control Plan for the areas of disturbance. The E&S Control Plan was prepared under the required parameters of the Pa. Code Title 25, Chapter 102 for Erosion Control and the PA DEP Erosion and Sedimentation Control Manual dated 2012. The Plan included a project summary narrative, an erosion and sedimentation control narrative, a construction sequence, underlying soils table, soil limitations, identification of adverse geological limitations, and design calculations. Drawings prepared for and submitted with the Plan to the Northampton County Conservation District included a site layout showing E&S controls related to the disturbance area, limits of disturbance, E&S details, and seeding and restoration notes.

BIDDER's DESIGN BUILD EXPERIENCE:

CASE STUDY # 2

Project Name:	Environmental Site Assessment, Remedial Investigation Cleanup Plan and Demolition, Bid Document Prep and Demo Oversight, Allentown Economic Development Corp.	
Project Address:	Allentown, PA	
Start Date:	2013	**End Date:** 2018
Owner Contact:	Scott Unger, Allentown Economic Development Corp.	**Contact Phone Number:** 610-435-8890
Project Cost:	$166,150.00	

Description:

EARTHRES performed an initial Phase I environmental site assessment for the largest remaining Site located in the City of Allentown zoned for heavy industrial purposes. The project was completed for the Lehigh Valley Economic Development Corporation (LVEDC) as part of EARTHRES's contract with LVEDC to complete environmental projects funded by a United States Environmental Protection Agency (EPA) grant.

The Site is located within Allentown's Enterprise Zone and is a Keystone Opportunity Expansion Zone (KOEZ) site. During and after development, the Site will be a job creator located within an urban area where workers may utilize public transportation or can walk to their place of employment. After completion of the Phase I environmental site assessment and at the request of the Site owner, the Allentown Commercial and Industrial Development Authority (ACIDA), EARTHRES quickly prepared a Generic Cleanup Plan so that a funding source for future cleanup work could be secured.

Based upon the results of the Phase I environmental site assessment which identified recognized environmental conditions (RECs) such as drums and containers, transformers, pits and sumps, underground storage tanks, aboveground storage tanks and historic fill, a site-specific Sampling and Analysis Plan (SAP) was submitted to the Pennsylvania Department of Environmental

Protection (PADEP) and the EPA. EARTHRES prepared and submitted the Act 2 Notice of Intent to Remediate (NIR) to PADEP. Subsequently, and in accordance with the approved SAP and Quality Assurance Project Plan (QAPP), soil, groundwater and soil gas samples were obtained from the site to complete Baseline Remedial Investigation activities. In addition, a Lead-Based Paint Survey and Asbestos-Containing Materials Survey were completed for the Site. After completion of the Baseline Remedial Investigation and working closely with LVEDC, ACIDA and their agent the Allentown Economic Development Corporation (AEDC), EARTHRES submitted an Act 2 Baseline Remedial Investigation Report, Cleanup Plan and Remedial Alternatives Analysis to PADEP and EPA. Subsequently, the Report was approved by PADEP and EPA. EARTHRES then prepared bid specifications to complete remediation at the Site and completed oversight for these activities that included: removal of asbestos-containing materials, the encapsulation of lead-based paint, removal and disposal of drums and containers (used to contain substances such as unused oil and solvents, used hydraulic oil, used cutting oil, paint waste, used solvents, oil-soaked grit and blasting grit, and some quantities of acid), the removal and disposal of aboveground storage tanks (ASTs), the removal and disposal of underground storage tanks (USTs), the removal of surficial soils impacted by lead, volatile organic compounds (VOCs), or polycyclic aromatic hydrocarbons (PAHs), cleaning of pits and sumps, the removal of PCB-containing equipment, the removal of non-hazardous trash and debris, and securing the buildings.

Remediation activities at the Site involved the removal of approximately 26 tons of non-hazardous municipal solid waste, 187 tons of non-hazardous impacted surficial soils, 86 tons of hazardous impacted surficial soils, three (3) unregulated 275-gallon ASTs, three (3) unregulated USTs (1,000-gallon,6,000-gallon and 30,000-gallon), nine (9) PCB-containing transformers or switch gears, 46,000 gallons of oil and waste oil, and 2.7 tons of hazardous wastes containers or drums were removed and properly disposed from the Site.

After the completion of the remediation activities, EARTHRES prepared the Bid Document for the Demolition of Obsolete Structures. Demolition activities were completed in early 2018 that will allow for the completion of building renovation activities and subsequent re-use of the Site for commercial or industrial purposes.

2-4.4.1b / 2-4.4.2b / 2-4.4.3b Experience on Building Demolition Projects

BIDDER's DEMOLITION EXPERIENCE:

CASE STUDY # 1

Project Name:	**Demolition and Infrastructure Upgrades Southeastern Veterans Center**
Project Address:	Spring City, PA
Start Date:	**End Date:** 07/2017
Owner Contact: Andrew Banner, Construction Contracts Manager Pennsylvania Department of General Services	**Contact Phone Number:** 610-217-1502 (Cell) 610-871-0233 (Office)
Project Cost:	$6,900,000

Description:

Complete demolition and abatement of 210,000 sf of 23 multi-story miscellaneous structures throughout the site.

Additionally, project included the removal of 60,000 sf and 6,000 lf of friable and non-friable asbestos containing materials. HAZMAT surveys of the building were performed and those identified materials are being removed prior to the start of demolition.

Infrastructure improvements including replacement of roofing (30,000 sf), removal and replacement of asphalt (25,000 SY), installation of a 50,000 concrete motor pool pad (3-dimentional), construction of a 3,000-sf metal structure, complete elevator refurbishment (2 ea.) as well as enclosing of a 1,500-sf breezeway (with lighting and HVAC improvements) and masonry repairs is being provided.

Ryan Morba ran this project, which was a great project for all parties involved.

BIDDER's DEMOLITION EXPERIENCE:

CASE STUDY # 2

Project Name:	**Harrisburg International Airport – Demolition of Former Main Terminal Building and Site Restoration**
Project Address:	Middletown, PA
Start Date: 11/2013	**End Date:** 06/2014
Owner Contact: Dave Spaulding – Deputy Director for Engineering and Planning	**Contact Phone Number:** 717-948-3900
Project Cost:	$1,457,850.00

Description:

Complete demolition of the former Main Terminal Building #510. A critical area of concern included prevention of FOD (Foreign Object Debris) during the demolition process as the work was directly adjacent to an active runway. This was achieved through the diligent efforts of the demolition crews keeping the site clean of debris and minimizing visible dust generated through the demolition process. Project required re-directing fiber-optic lines and underground electrical systems. Crews worked closely with Airport personnel and Engineering firm to make sure there was no disruption to these critical utilities. Restoration of the site required backfill and complete asphalt paving of the former building footprint.

BIDDER's DEMOLITION EXPERIENCE:

CASE STUDY # 3

Project Name:	Demolition and Asbestos Abatement of Buildings #202, 215, 304, 406, 506, 507, 509 and 510 (Solicitation #: N40085-14-C-6723)
Project Address:	Mechanicsburg Naval Support Activity (NSA)
Start Date:	**End Date:** 06/2016
Owner Contact: Bernie Risbon (Installation), Construction Contracts Manager – Department of the Navy	**Contact Phone Number:** 717-605-3345
Project Cost:	$5.9M

Description:

Complete demolition and abatement of 1,000,000 square feet of Warehouse structures including all foundations and footers.

Project included removal of all mercury containing devices, FREON, UST's and over 750,000 sf of ACM panels, flooring and ductwork, 360,000 sf of ACM windows and friable ACM.

2-4.4.1c / 2-4.4.2c / 2-4.4.3c Experience on Hazmat & Environmental Abatement Projects

BIDDER's HAZMAT & ENVIRONMENTAL EXPERIENCE:

CASE STUDY # 1

Project Name:	Demolition, Asbestos Abatement and Hazardous Materials Removal at the Richmond Defense Supply Center
Project Address:	Richmond, VA
Start Date:	**End Date:** 9/2013
Owner Contact: Tim Cady – Charter Environmental PM	**Contact Phone Number:** 857-246-6800
Project Cost:	$2.2M

Description:

Demolition and asbestos abatement of 1,000,000 sf of obsolete warehousing.

Recycling of 1,000 tons of metals, crushing 35,000 tons of concrete and masonry to 1”(-) is included.

Asbestos abatement included 180,000 sf of asbestos roofing materials, caulking materials, flooring materials, etc. throughout the facility.

Hazardous materials include 1,100 lbs of regulated waste (PCB transformers, ballasts, mercury, Freon, etc.), underground storage tanks, etc.

BIDDER's HAZMAT & ENVIRONMENTAL EXPERIENCE:

CASE STUDY # 3

Project Name:	Demolition, Asbestos Abatement and Hazardous Materials Removal at the NASA Langley Research Center
Project Address:	Hampton, Virginia
Start Date:	**End Date:** 12/2011
Owner Contact: Tim Cady – Charter Environmental PM	**Contact Phone Number:** 857-246-6800
Project Cost:	$5.4M

Description:

Demolition and asbestos abatement of 4 80’ – 100’ high Wind Tunnels at the facility. Recycling of 12,000 tons of metals, crushing 8,000 tons of concrete and masonry to 1”(-) is included.

Asbestos abatement included 375,000 sf of asbestos transite, 13,000 lf of asbestos pipe insulation and 18,000 sf of asbestos covered duct insulation.

Hazardous materials included 9,000 lbs of regulated waste (PCB transformers, ballasts, mercury, Freon, etc.) and 6,500 gallons of hydraulic fluids

BIDDER's HAZMAT & ENVIRONMENTAL EXPERIENCE:

CASE STUDY # 2

Project Name:	Joint Base Fort Meyer – Henderson Hall (Building 406)		
Project Address:	Arlington, VA		
Start Date:	01//2016	**End Date:**	11/2016
Owner Contact: Gene Volpe, Facility Manager – Gerresheimer/Corning Pharmaceutical Glass Co		**Contact Phone Number:** 857-246-6800	
Project Cost:	$1,250,000		

Description:

Demolition of 14 ea. plant buildings totaling over 156,000 sf. 7,000 tons of concrete brick and block were either processed for re-use on site or sent off- site for recycling.

Additionally, 30,000 sf and 2,000 lf of friable and non- friable asbestos was removed by our crews prior to demolition. HAZMAT removal including mercury and PCB containing components, underground storage tanks and associated contamination were handled throughout the project.

Schedule for completion was as priority as the facility was being purchased by Corning Glass. The project was completed on schedule without incident.

2-4.4.1d / 2-4.4.2d / 2-4.4.3d Management Team Individual Qualifications

Project Manager (Tim Walter): If awarded the project, Neuber will assign Tim Walter as Project Manager. Mr. Walter has over 6 years of construction experience, his experience ranges from site work to vertical construction as well as razing structures and asbestos abatement. While at Neuber, Tim has overseen work on projects for various sectors such as the Federal Government, public, and private entities. These projects range in size from small to large, $2 Million and over. His record speaks for itself and we are confident that Mr. Walter can manage the project on time, on budget, and most of all, safely. Mr. Walter has the following qualifications:

- Project Management – Create purchase orders and contracts for subcontractors; Coordination with local municipalities and governing agencies; Quality Control & Quality Assurance (QC/QA); Change order proposals & oversight; Contractor compliance, punchlist, and closeout
- Permits, notifications, and landfill forms
- Job costing – AIA and monthly invoicing, release of liens
- Estimating – Assist in obtaining and drafting proposals for change orders and potential clients
- Regulatory compliance (EPA, DEP, OSHA, USACE)
- Construction Quality Management for Contractors (CQM)
- Environmental Compliance Assessment, Training, and Tracking System (ECATTS)
- OSHA 30 Hour Training
- Sunbelt Aerial Work Platform Trainer

Operations and Safety Manager (Chris D'Orazio): If awarded the project, Neuber will assign Christopher D'Orazio as Project Operations and Safety Manager. Mr. D'Orazio has 18 years of experience in the environmental service industry, including 12 years as an on-site supervisor of remediation projects and 7 years in the project management of multiple demolition and remediation sites. His record speaks for itself and we are confident that Mr. D'Orazio can manage the overall construction operations and safety of the project. Mr. D'Orazio has the following qualifications:

- Demolition, Environmental, and Site Work
- Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP)
- Safety Technology NCCER
- Construction Quality Management (CQM) Training
- Certified Aerial Boom and Platform, Forktruck / Articulated Forktruck Operations
- OSHA Lead in Construction Training
- MSHA Certified
- Member of the Associated Builders and Contractors Safety Committee
- Harmonized Global Haz-Com Training
- Fall Protection and Scaffolding Training
- Licensed OSHA HAZWOPPER (40 hour)
- Asbestos Supervisor in Pennsylvania, New Jersey, Maryland, Virginia, and Delaware
- Experience using Quantum Estimating, Construction Link, and Foundation accounting software

Superintendent (Ryan Morba): If awarded the project, Neuber Ryan Morba as Project Superintendent. Mr. Pierce has 18 years of experience in the environmental service industry, including 12 years as an on-site supervisor of remediation projects. His record speaks for itself and we are confident that Mr. Pierce can manage the project's day-to-day operations. Mr. Pierce has the following qualifications:

- Project Supervisor – Review proposals; Create purchase orders and contracts for subcontractors & venders; Correspond with local municipalities and governing agencies; Quality Control & Assurance (QC/QA); Job site coordination; Change order review and proposals; Contract compliance, punchlist, and closeout
- Asbestos Supervisor in Pennsylvania, Delaware, New Jersey, New York, and Virginia
- OSHA Lead in Construction Training
- Construction Quality Management (QCM) Training
- Certified Aerial Boom and Platform, Forktruck / Articulated Forktruck Operations
- Licensed OSHA HAZWOPPER (40 Hour)

Foreman (George "JR" Parsons): If awarded the project, Neuber will assign George "JR" Parsons as Project Foreman. Mr. Parsons has 10 years of experience in the environmental service and demolition industry, including 5 years as an on-site supervisor of remediation projects. His record speaks for itself and we are confident that Mr. Parsons can manage the project's on-site operations. Mr. Parsons has the following qualifications:

- Demolition (Interior and Building), Environmental, and Site Work
- Regulatory Compliance (EPA, OSHA, NESHAP, NJDEP)
- OSHA 10-hour safety certificate
- licensed HAZWOPPER
- Asbestos Supervisor in Pennsylvania, New Jersey, New York, Maryland, Virginia, and Delaware.

2-4.4.1e / 2-4.4.2e / 2-4.4.3e Statement of Readiness and Commitment to Resources

The persons identified in this RFP are available and will be committed to the project for the time period(s) referenced in the above Project Master Schedule and that the resource availability reported in item 2-4.4.1d above will be committed to the project as referenced in the Project Master Schedule and Work Plan.

2-4.4.1f / 2-4.4.2f / 2-4.4.3f Policy to Diversify the Workplace and the Employment of Veterans

Neuber Environmental Services, Inc. is an equal opportunity employer. In order to provide equal employment and advancement opportunities to all individuals, Neuber makes all of its employment decisions based upon merit, qualifications, abilities and an individual's conduct and performance. Neuber will not make any of its decisions, and will not discriminate against any employee or applicant, on the basis of race, color, religion, creed, national origin or ancestry, ethnicity, sex (including pregnancy), age, physical or mental disability, HIV status, citizenship, past, current or prospective service in the uniformed services, genetic information, sexual orientation, gender identity or any other characteristic protected under federal, state or local law ("Protected Characteristic").

This Policy applies to all terms and conditions of employment, including, but not limited to, hiring, training, job assignment, promotion, compensation, benefits, discipline and termination. It shall be considered the responsibility of every supervisory employee to further the implementation of this policy and insure conformance by his or her employees.

Any person who has experienced or observed unlawful discrimination must immediately report the discriminatory conduct in accordance with the Complaint Procedure set forth in this Handbook.