

PART I – THE SCHEDULE

SECTION C – STATEMENT OF WORK

X-333 TRANSITE SIDING REMOVAL

Dated 10/03/24, Rev. 1

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- Exhibit 1 Milestone Schedule
- Exhibit 2 Acronyms
- Exhibit 3 Construction Sign

*Note: Remaining Exhibits will be attachments

1.0 DESCRIPTION OF WORK – GENERAL

Except as otherwise expressly provided herein, Contractor shall supply all adequate and competent labor, supervision, tools, equipment, installed and consumable materials, services, testing devices, warehousing and each and every item of expense necessary for the design, engineering, supply, fabrication, field erection, application, handling, hauling, unloading and receiving, installation, construction, demolition, assembly, evaluation, and quality assurance for the transite siding removal of the X-333 Process Building, hereinafter called the Work. Transite paneling is located on all four (4) exterior walls including the east and west truck alley as well as sixteen (16) rooftop penthouses.

2.0 SPECIFICATIONS, DRAWINGS, ATTACHMENTS, AND EXHIBITS

All Work shall be performed in strict accordance with the following specifications, drawings and other documents. Contractor shall notify the Company in writing of any conflict between these specifications and Federal or State guidelines.

2.1 Specifications

Specification No.	Rev.	Title
FBP-CSPEC-01070	0	Construction Specification 01070 - Asbestos Removal

2.2 Drawings

Drawing No.	Rev.	Title
Not Used	N/A	Not Used

2.3 Attachments

For attachments refer to Section J.

2.4 Exhibits

Exhibit No.	Title
Exhibit 1	Milestone Schedule
Exhibit 2	Acronyms
Exhibit 3	Construction Sign
Exhibit 4	EVAL-DE-2019-0380 - X-333 Roof Structural Integrity Assessment
Exhibit 5	X-333-C-34513.rA - X-333 Water Detention Berm Plan
Exhibit 6	Tarp Specifications

Exhibit 7	Work Area Sequence
Exhibit 8	FBP-CSPEC-01070 Rev 1 Construction Specification 01070 Asbestos Removal

2.5 References

The attached information is provided for reference in preparing your bid. Your consideration of this information is not intended, nor does it limit, the Contractor’s responsibility to verify and ascertain the conditions in accordance with clause H.69. This information, sketches, drawings shall be used as reference only. Site visits with walk downs of the X-333 Process Building shall be used to quantify and determine quantities and conditions.

2.6 Reference Drawings

Drawing No.	Rev.	Title
X-333-14-A	1	North Elevation
X-333-15-A	1	South Elevation
X-333-16-A	1	East Elevation
X-333-17-A	2	West Elevation
X-333-21-A	1	Truck Alley Elevations & Details
X-333-22-A	1	Truck Alley Details
X-333-33-A	0	Expansion Joint Details Exterior & Truck Alley Walls
X-333-43-A	0	Plan Sections Elevations of Stairs Penthouses #43 to #50
X-333-45-A	0	Plan Sections & Elevations of Lube Oil Penthouse
X-333-46-A	0	Lube Oil Penthouse Details
X-333-12.55A	1	Penthouse and Elevation Stairs Roof Plans Sections and Details

3.0 DESCRIPTION OF WORK – SPECIFIC

The Work for the X-333 Process Building described in Articles 1.0 and 2.0 of this Statement of Work shall include, but not be limited to, the following:

Mobilization, site preparation, asbestos abatement, air quality monitoring, waste packaging, loading of waste into designated containers, work area restoration, and demobilization. Asbestos abatement shall include the removal and packaging of all exterior asbestos containing transite panels on the X-333 Process Building. All materials identified are to be assumed asbestos containing materials. All transite panels shall be removed, packaged, and placed at designated locations as determined by the Company. Estimated values are as follows: 15,500 exterior wall transite panels and 750 penthouse transite panels. The Contractor shall quantify final values and remove all transite panels.

3.1 X-333 Process Building Description

The X-333 Process Building is one of three process buildings at the Portsmouth Gaseous Diffusion Plant constructed between 1952 and 1955. The X-333 supported the uranium isotopic separation process for use in the U.S. nuclear defense program. Enrichment operations in the production portion of the X-333 were shut down in 2001. The two story building is constructed of a non-combustible unprotected steel frame and has concrete encased protected steel columns on the first floor supporting the second floor. The building is approximately 1,456 ft. long, 970ft. wide, and 82 ft. in height. The Operating Floor (1st floor) is the location for the control facilities and maintenance facilities. While the majority of fissile operations were on the Cell Floor (2nd floor) of the facility, there were several facilities and auxiliary systems on the operating floor. The Cell Floor is overwhelmingly populated with the uranium separation equipment (process gas equipment) arranged within enclosures (cell housings) in ten cells within each of eight units.

The X-333 Process Building is CAT II nuclear facility and construction project consisting of maintenance, deactivation, demolition, and construction activities. Due to ongoing activities, radiological boundaries are established throughout and surrounding the facility including contamination areas, high contamination areas, and airborne radiological contamination areas as required.

3.2 X-333 Process Building Condition When Transitioned to the Contractor

Electric and water are not immediately available at the project site. The Contractor shall make preparations for bringing water, generators, and all other necessities to perform work in the event that utilities are unavailable.

Locations around the X-333 Process Building are posted as radiological contamination areas and all work within this scope will be performed within radiological boundaries unless posted otherwise.

Equipment, components, and waste shall remain around the exterior of the facility throughout the entirety of the project. The Contractor shall make preparations to prepare and establish locations for positioning mobile equipment, cranes, or other equipment. The Contractor shall take appropriate measures to not damage tunnel systems and water detention system.

The X-333 Facility is an active construction project. Access to the facility through overhead and personnel entry doors shall be maintained. The Contractor shall provide a detailed schedule which includes closure of facility entry and exit locations.

A Water Detention System (WDS) will be installed surrounding the X-333 facility for the collection of potentially contaminated runoff water during the transite and demolition phases of the project.

Water collected is conveyed to an onsite treatment facility. This WDS system consists of earthen berms containing conveyance piping and fiber optic control cables as well as an HDPE liner attached to the building foundation which will extend outward to the earthen berms. Additionally, a series of four (4) sumps/pumps with power and control panels will be located adjacent to the buildings four corners. The water detention system approximate dimensions and details are shown in EXHIBIT 5.

The Contractor shall utilize practices and equipment that will protect the integrity of the WDS system. The Contractor shall stop all work immediately upon discovery of damage to the WDS. Work shall not proceed until the WDS damage is repaired and accepted by the Company.

Maximum allowable equipment ground pressure within finished area of the water detention system (WDS) shall be less than 81 psi.

3.3 Specific Scope of Work

X-333 Process Building Areas, relevant to scope, include four areas surrounding the X-333 Process Building: North, East, West, and South.

BUILDING EXTERIOR TRANSITE SCOPE OF WORK

X-333 Building Transite Management Self-Assessment (MSA)

Description: Includes mobilization, setup, and removal of transite panels in section 01 as part of a Management Self-Assessment (MSA).

- A. Contractor shall remove all interferences as required to access and remove transite siding in support of a Management Self-Assessment (MSA). These interferences include but are not limited to ductwork, gutters, vents, signs, piping, conduit, fixtures, steel supports, flashing, fasteners, etc.

X-333 Building Exterior Transite Removal – Phase 1

Description: Includes transite removal from the X-333 building west wall (including truck alley) including north sections 01 and 02 and south sections 01 and 02 as well as section 01 west A through E in its entirety. In addition, phase 1 includes the removal of all transite panels from each of the 16 rooftop penthouses.

- A. Contractor shall remove all interferences as required to access and remove transite siding. These interferences include but are not limited to ductwork, gutters, vents, signs, piping, conduit, fixtures, steel supports, flashing, fasteners, etc.
- B. Steel fastener heads securing the transite panels to the building structure are covered with lead. Lead flashing is also present at various openings through the transite siding as well as on all corner lap joints. Contractor shall remove and collect lead fasteners and lead flashing and place in containers provided by the Company.

- C. Contractor shall take the following precautions during roof top penthouse transite removal:
- a. Matting consisting of fire retardant $\frac{3}{4}$ " plywood must be installed on all roof surfaces beneath ladders or scaffolding used for access during penthouse transite removal.
 - b. Transite staged after removal will not exceed more than 10 sheets per stack and stack will be placed on top of 4' x 8' x $\frac{3}{4}$ " plywood at a roof location approved by the Company.
 - c. Transite panels shall be transported utilizing a pneumatic tire cart or equivalent. Transportation method and equipment shall be approved by the Company in advance.
 - d. Rooftop penthouse access is via the building's internal stairways #43-50.
 - e. Rooftop travel pathways used to transport transite sheeting shall be limited to those approved in advance by the Company and must be covered with structural bridging material such as aluminum planks or $\frac{3}{4}$ " plywood sheeting. Contractor shall remove all transite panels from the roof top and transport to the waste staging area.
- D. The Contractor shall stack transite panels in bundles 3 feet high. The panels shall be stacked in a configuration that is uniform by panel size. Significantly larger panels shall not be stacked on top of small panels within any final bundle configuration. Each bundle shall be banded at two locations using steel banding and plastic softeners at each edge. Banded bundles shall be double wrapped in 6 mil fire retardant sheeting and labeled as asbestos. The Contractor shall take necessary actions to ensure that the contents of each packaged bundle are dry and absent of free liquids. Absorbent provided by the company shall be placed into the bundle stacks by the Contractor. The Contractor shall transport the packaged bundles to a staging area at the X-333 facility. The staging area shall be delineated with stanchions, yellow boundary rope, and signs identifying it at an asbestos waste storage area.
- E. Components and structures associated with the building are radiologically contaminated (internal, external, fixed, and loose), the Contractor shall perform work in a manner that minimizes the disturbance of contamination areas and generation of LLW. The Contractor shall implement waste minimization controls to prevent generating additional LLW, e.g. only take sufficient quantities of material into the contamination area to execute the work, remove any packaging prior to taking into the contamination area. The Contractor shall implement appropriate controls during transite removal to prevent fugitive emissions and the potential spread of contamination. The Company will perform monitoring as required to confirm the effectiveness of the Contractor's controls.

X-333 Building Exterior Transite Removal – Phase 2

Description: Includes transite removal from the X-333 building north, south, and east walls (including east truck alley) including south sections 03 through 08 and north sections 03 through 08 as well as section 08 east A through E in its entirety.

- A. Contractor shall removal all interferences as required to access and remove transite siding. These interferences include but are not limited to ductwork, gutters, vents, signs, piping, conduit, fixtures, steel supports, flashing, fasteners, etc.

- B. Steel fastener heads securing the transite panels to the building structure are covered with lead. Lead flashing is also present at various openings through the transite siding as well as on all corner lap joints. Contractor shall remove and collect lead fasteners and lead flashing and place in containers provided by the Company.
- C. The Contractor shall stack transite panels in bundles 3 feet high. The panels shall be stacked in a configuration that is uniform by panel size. Significantly larger panels shall not be stacked on top of small panels within any final bundle configuration. Each bundle shall be banded at two locations using steel banding and plastic softeners at each edge. Banded bundles shall be double wrapped in 6 mil fire retardant sheeting and labeled as asbestos. The Contractor shall take necessary actions to ensure that the contents of each packaged bundle are dry and absent of free liquids. Absorbent provided by the company shall be placed into the bundle stacks by the Contractor. The Contractor shall transport the packaged bundles to a staging area at the X-333 facility. The staging area shall be delineated with stanchions, yellow boundary rope, and signs identifying it at an asbestos waste storage area.
- D. Components and structures associated with the building are radiologically contaminated (internal, external, fixed, and loose), the Contractor shall perform work in a manner that minimizes the disturbance of contamination areas and generation of LLW. The Contractor shall implement waste minimization controls to prevent generating additional LLW, e.g. only take sufficient quantities of material into the contamination area to execute the work, remove any packaging prior to taking into the contamination area. The Contractor shall implement appropriate controls during transite removal to prevent fugitive emissions and the potential spread of contamination. The Company will perform monitoring as required to confirm the effectiveness of the Contractor's controls.

3.4 Specific Scope of Work

Contractor may mobilize to the X-333 jobsite once they have received an "A" or "B" status on all required pre-mobilization submittals and Authorization to Mobilization has been given.

Contractor shall coordinate all mobilization activities with the Contract Technical Representative (CTR).

The Contractor shall provide Craft Certifications as required i.e. welder qualifications, electrician certificate, abatement worker license, plumber license, etc.

The Contractor shall be responsible for quantifying ACM from identified locations. Drawings and estimated quantities are for reference only.

All equipment and tools brought onto the site shall be inventoried by the Contractor and quantities verified by the CTR or designee prior to being placed into the field.

Contractor shall perform air quality monitoring and personnel monitoring in accordance with regulatory requirements for asbestos as well as throughout the course of the contract to provide continuous verification of the adequacy of work methods and controls.

All air monitoring shall be performed by an independent third party subcontractor. The Contractor shall submit the independent third party subcontractor for approval.

Contractor shall coordinate with the CTR to establish the field office location, break area, smoke area, restroom facilities, lay down area, and other temporary facilities. Changes to the work area layout must be approved by the CTR prior to making the change.

Contractor shall install the Company's project communication sign at a location directed by the CTR. See Exhibit 3.

Contractor shall establish work areas with construction fencing, rope, and or tape, as appropriate. Personnel gates shall be fixed to stanchions with signage stating "GATE". Stanchions shall be located on grade. Stanchions must be able to be removed to increase the size of the opening to allow for emergency vehicle access. Gates shall be in place in the closed position when not in use.

Contractor shall provide and install safeguards including but not limited to safety/warning signs, such as the required personal protection equipment (PPE) signage at each work area. Signage shall be placed every 25-feet around the defined zone.

Asbestos Abatement

- A. Contractor shall perform asbestos abatement for the X-333 Process Building in accordance with the attached Construction Specification 01070 - Asbestos Removal.
- B. Removal of ACM materials shall be performed in accordance with all applicable Federal and State regulations and per the conditions set forth within the attached Construction Specification 01070 – Asbestos Removal.
- C. Following the completion of each asbestos abatement Work task, the Contractor shall submit a Notice of Completion, per the Construction Specification 01070 – Asbestos Removal.
- D. Contractor shall perform Work in such a manner as to eliminate hazards to persons and property; to minimize interference with use of adjacent areas, utilities and structures or interruption of use of such utilities; and to provide free passage to and from such adjacent areas of structures.
- E. Components and structures associated with the building are radiologically contaminated (internal, external, fixed, and loose), the Contractor shall perform work in a manner that minimizes the generation and disturbance of LLW. The Contractor shall implement appropriate controls during asbestos abatement of the LLW portion of the building to prevent fugitive emissions and the potential spread of contamination. The Company will perform monitoring as required to confirm the effectiveness of the Contractor's controls.
- F. Contractor shall perform and document daily inspections of asbestos waste storage areas. Any deficiencies shall be addressed immediately.

3.5 Surface Decontamination of Equipment

The Contractor shall provide qualified labor, material, and appropriate means and methods for the decontamination of equipment, in the event that such contamination is encountered. The Contractor shall perform decontamination activities of equipment within five (5) work days. If decontamination of equipment is unsuccessful and the Company and Contractor determine that further decontamination efforts are not expected to achieve acceptable decontamination levels, the Company agrees to take receipt of the contaminated equipment and reimburse the damaged party at the current fair market value, as determined by a qualified third-party evaluator or using the Corp of Engineers Green Book value.

3.6 Contractor Work Plan:

The Contractor shall submit a Detailed Work Plan for each task to be performed, this can be one work plan with sections on each task or a series of work plans. The Contractor shall follow the format specified in Attachment J-25. The work plan shall include the following:

- A. Methods for asbestos abatement
- B. Protection to prevent spread of contamination
- C. Asbestos air monitoring plan
- D. Method of decontaminating employees for asbestos contamination
- E. Quantities of water to be discharged
- F. Crane lift plans
- G. Quantity of respirators

The Contractor's Detailed Work Plan(s) will be reviewed by the Company High Hazard Work Review Board as part of the submittal review process. The Contractor should be prepared to address their approach to safety management for high hazard work. Required attendees include the Contractor's HSE representative and field supervisor who will be required to be familiar with the contents of the work plan and present the Contractor's approach managing high hazard work. Contractor shall allow up to eight (8) hours for presentation and review by the High Hazard Work Review Board (excluding planning). High hazard work activities include:

- Electrical work Requiring an energized electrical work permit (EEWP) over 50 volts
- Permit required excavation and penetrations
- Exclusions:
 - Permitted excavations less than 5 feet deep with no known live utilities within the excavation zone other than the system/utility being worked on provided the system/utility is isolated by a LOTO.
- Elevated work over 6 feet from the adjacent work surface that requires Personal Fall Arrest System (PFAS)
- Exclusions:
 - Ingress and egress from vehicles, mobile equipment or construction equipment using installed equipment features
 - Use of a scissor lift
 - Use of a JLG or similar aerial lifts
 - Use of a bucket truck
 - Crane preventative maintenance or corrective maintenance that will use only engineered tie-off locations

- Any work that can utilize permanent/manufactured engineered tie-off points and has a current engineering evaluation for adequacy of the tie-off location.
- Radiological work requiring an ALARA review
- Critical lifts requiring development of a lift plan
- Pneumatic testing performed in the field for post maintenance testing and/or acceptance testing purposes
- Exclusions:
 - Pneumatic testing performed under an approved technical procedure or related to a routine maintenance task.
 - Work that is subject to a documented readiness review-like process or detailed review of applicable procedures and JHA (e.g., Cut & Cap, cylinder processing in X-344).
 - Activities governed by an approved technical procedure.

The Contractor shall submit for approval a detailed Work Plan including but not limited to the following:

- H. Methods of asbestos abatement
- I. Protection to prevent spread of contamination
- J. Means to protect adjacent structures, equipment, material, and utilities from damage
- K. Asbestos air monitoring plan
- L. Method of decontaminating employees for asbestos contamination
- M. Quantities of water to be discharged.

3.7 Pay Item Descriptions

The Pay Item Descriptions as defined in Section B.2 show activities for which the Contractor shall report progress and use for invoicing.

Contractor shall submit a value for each pay item (refer to Section B – Supplies or Services and Prices/Costs for Pay Item Schedule of Values). The value shall correspond to the descriptions of the activities including profit, overhead, insurance, training and submittal documents not specifically listed as a pay item shall be allocated to each pay item proportional to its value. The Company will review each pay item value to ensure that the value is consistent with the work to be performed. Pay item values determined by the Company to be unacceptable shall be revised and resubmitted by the Contractor. Payments shall not be made to the Contractor until the Company approves the pay item values.

4.0 MATERIAL, EQUIPMENT, OR SERVICES

4.1 Furnished by Company

The Company will furnish or cause to be furnished to Contractor, without cost to Contractor, the following items for or in connection with performance of the Work:

The Company will provide MSA Ultra Vue PAPR respirators including blowers and batteries as required. Respirators will be issued by employee with the initial filter cartridge installed. Respirators are issued for a period of 90 days during which time the Contractor is responsible for cleaning and routine maintenance. Respirators that become contaminated during the issuance period will be replaced. The Contractor is responsible for submitting respirator requests. Respirator requests must be made on Company provided Respirator Request Forms and each request shall be delivered to the CTR seven days prior to the respirator need. Additions and or revisions to the request shall be

made, as required by 8:00 a.m. at least the day prior to the need. Respirator usage and return requirements are specified in Attachment J-13.

Inspection of the Work required by governmental agencies shall be arranged by Company. Contractor shall request such inspection through Company only after the Work is ready for inspection.

The Company will provide dosimetry devices, radiological monitoring services, personal breathing zone (BZ) air sampling pumps for radiological monitoring, and radiological surveys (inbound/outbound) of equipment that will be used on-site. The Contractor shall allow for up to (30) days for equipment to be radiologically released from plant site.

The Company will provide waste management support and waste containers, as specified in Section 10.0 Waste Management.

The Company will provide DOP testing on HEPA Vacuums. Requests for testing shall be made at least 7 days prior to the need for DOP testing.

The Company will supply security escorts at a 10:1 ratio (10 - un-cleared to 1 - cleared).

The Company will provide up to 5 plant radios as required for plant wide notifications.

4.2 Furnished by Contractor

The Contractor will furnish the following items for or in connection with performance of the Work:

All asbestos and radiological PPE including but not limited to disposable gloves, shoe covers, booties, and tape as well as storage facilities required to perform the entire scope of work. PPE includes respirator cartridges other than initial cartridge installed by company at respirator issuance. Contractor shall also provide respirator storage and lockers for personnel.

- A. Anti-contamination coveralls shall be Quantum Wear coveralls with attached booties and hood.
- B. For radiological work, nitrile gloves shall be orange or black in color.
- C. Provide all glove liners and tape.

The Contractor shall provide all PPE and monitoring equipment to perform physiological monitoring for Contractors personnel.

Generators or battery powered equipment as necessary.

Air monitoring and sampling analysis shall be provided and performed/processed on site by an independent third party sub tier contractor. The Contractor shall submit the independent third party contractor to the Company for approval.

The Contractor shall provide, install, and operate decontamination facility as required for Contractor employees in accordance with state and federal regulations. The decontamination facility location shall be approved by the Company. Contractor shall provide vessels for storage and transport of filtered sanitary waste water. The Company

will provide sampling of waste water as well as access to a location on plant site to transport and discharge filtered water as required.

The Contractor shall perform general maintenance of all HEPA Vacuums, pre-filters, etc.

The Contractor shall provide all powered industrial equipment (aerial lifts, scissors lifts, fork lifts, etc.) required to complete the entire scope of work. This equipment must be in new or like new condition with the option for the Company to purchase after use, providing it cannot be decontaminated for release from plant site. All equipment shall be free of encapsulates, coatings, etc. All equipment shall be kept clean and protected from coatings, encapsulates, etc. to allow for radiological release surveys to be performed accurately.

The Contractor shall perform any and all maintenance to equipment. The Contractor shall supply qualified and trained mechanics to perform maintenance activities within posted radiological areas. There shall be no expectation that posted radiological areas will be removed or altered to accommodate maintenance or repair activities.

The Contractor is required to provide any and all professional engineering services to remove, support, modify, or alter building structures if necessary to gain access for abatement activities. The Contractor shall submit engineering plans to FBP for approval.

The Contractor is required to barricade penthouse stairwells after completion of ACM activities to prevent rooftop access.

4.3 Radiological Monitoring for Construction Tools/Equipment.

All contractor vehicles, equipment, materials, trailers, tool boxes and tools must be monitored and released by HP upon arrival to and prior to leaving plant site. Exemption is by written permission from the Company. The Contractor shall have their tools and equipment arrive one day in advance of scheduled use for radiological monitoring. Prior to the release of equipment the Contractor should allow up to (30) calendar days from notification to final release.

4.4 Equipment Inspections

Contractor vehicles, equipment, materials, trailers, tool boxes and tools shall be subject to inspection as described in Attachment J-13.

4.5 Material Handling and Rigging

- A. Construction activities, material deliveries, and off-loading operations shall be conducted to minimize interruptions to the Company's normal operations. Blockage of Company gates or other access to the work area shall not be permitted without prior coordination and approval of the CTR.
- B. Contractor shall provide and operate cranes and other necessary equipment for handling, hauling, unloading, and receiving Contractor-supplied materials, tools, and equipment. All hoisting and rigging work activities shall meet the requirements of J-13.
- C. Contractor shall maintain equipment keys in locked containment when equipment is not in use.

- 4.6 Weather Protection of the work and any methods required to allow continuation of the work during periods of inclement weather.
- 4.7 Small tools
- A. The Contractor shall perform a daily inspection of all equipment, vehicles, tools, safety devices, electrical cords, equipment guarding, fire extinguishers, etc. to assure the safe working condition and OSHA compliance of all tools and equipment. Documentation must be compiled by date and list all the tools/equipment inspected for that date, daily inspection of tools/equipment shall be noted on the Contractor Daily Report.
 - B. Documentation of inspections must be made available for the Company's review. Equipment that does not meet the manufacturer's requirements for safe use shall be taken out of service. Prior to reinstating tools and equipment previously taken out of service, the tools and equipment must be inspected by the competent person.
- 4.8 Electric Power Tools and Equipment
- A. All electric power tools and equipment shall be protected with a Ground Fault Circuit Interceptor (GFCI). The GFCI must be plugged in at the power source and shall be inspected and tested daily or prior to use.
 - B. Power tool cords and extension cords must be kept in good condition and out of the way of traffic. Electrical cords shall be routed safely to prevent a tripping hazard and damage to the cord. Faulty or damaged cords must be properly disposed of or removed from site. Faulty or damaged cords on electrical hand tools must be repaired by a qualified electrician or removed from site.
- 4.9 Permits
- A. Job Site Work Permits: All permits required for performance of the Work at the jobsite will be arranged by the Company. The Company will provide the following permits as required: Contractor shall request the permit a minimum of three (3) working days in advance of the permit need.
 - (1) Excavation
 - (2) Penetration
 - (3) Welding / Hot Work
 - (4) Lock Out Tag Out (LOTO)
 - (5) Radiological Work Permit (RWP)
 - (6) Confined Space Work Permit
- The Contractor shall request required permits a minimum of three (3) working days in advance of the permit need.
- Excavation/Penetration
- A Penetration Permit is required when breaching or penetrating any building surface more than 1-½" (unless excluded), any blacktop or concrete pavement surface more than three (3) inches, or the earth's surface more than twelve (12) inches by any means other than those considered excavation or trenching. These methods include, but are not limited to, auguring, drilling, driving, and coring, or penetrating. Penetrations include drilling wells and boring for soil samples up to and including 12 inches in diameter.

4.10 Environmental Protection

Vehicles, equipment, or liquid storage containers shall not be stored in areas where spillage or leakage of materials would enter the plant's drainage system. The Contractor shall immediately notify the CTR of any spills, regardless of the quantity, type, or location. Spill response and cleanup will be performed under the direction of the Company. Cost associated with spills resulting from negligence by the Contractor shall be the sole responsibility of the Contractor.

The Contractor shall provide all erosion and containment control measures including plans for such measures. Erosion and containment control measures and plans are subject to approval by the Company's Environmental, Safety and Health and Quality (ESH&Q).

The Contractor shall comply with the Company's Storm Water Pollution Prevention Controls (SWPPC) and/or any other regulatory permit or plan having effect.

All products or hazardous materials brought on-site by the Contractor shall be maintained under the control of the Contractor. No excess products or hazardous materials are to remain onsite after the project is complete. Contractor shall submit Material Safety Data Sheets (MSDS) for review and approval prior to bringing such items on-site in accordance with Attachment J-13.

The Contractor will be permitted to wash equipment at PORTS if it can be done in accordance with applicable Federal and State regulations, the Company's SWPPP, and as approved by the Company. Disposal of accumulated debris from washing activities shall be governed by the Waste Management section of this document.

4.11 Environmental Emissions Consideration:

- A. All fuel-burning equipment such as but not limited to cranes, bulldozers, earthmovers, welders, generators, compressors, pumps, and light plants must meet regulatory permit requirements. Unless a piece of equipment is specifically exempted under the regulations, it must have an air permit. Off-road diesel-powered vehicles and equipment (both mobile and stationary), with engine horse power (hp) ratings of 50 hp or more shall be Tier 2 compliant. Any regulatory exemptions must be reviewed by the Company prior to equipment use. The Contractor shall provide documentation of compliance with applicable regulatory permits and standards to the CTR prior to delivery of equipment to PORTS.
- B. Fuel Requirements: To the extent practicable, construction equipment with engine hp ratings of 50 hp or more shall utilize Ultra-Low Sulfur Diesel (ULSD) fuel.
- C. Permit Exemption: The Contractor shall maintain logs for any piece of equipment exempted from permitting based on hours of operation (e.g.: emergency generators, emergency compressors, and emergency pumps) to document fuel use and to verify that the equipment was not operated in excess of 500 hours annually. The Contractor shall provide to the Company prior to delivery of equipment to PORTS documentation of equipment operating logs for any regulatory exempt piece of equipment.

4.12 Fugitive Dust Emissions:

- A. The Contractor shall minimize emissions of fugitive dust by methods such as spraying or misting, watering, covering beds of trucks hauling materials likely to become airborne, paving or gravel roadways, lay down areas, parking areas, and removing mud, dirt, etc. from roadways. Demolition activities will be performed at a time that weather conditions allow for the use of water for dust suppression. The water will be allowed to flow to the ground. Contractor shall control the sedimentation by minimizing the volume of water used for dust suppression.
- B. Air monitoring and sampling shall be performed by the Contractor. The Company may perform air monitoring to confirm the effectiveness of the Contractor dust suppression.

5.0 TEMPORARY FACILITIES AND UTILITIES

5.1 Furnished by Company

Company will supply or cause to be supplied the following temporary facilities and utilities to Contractor, without cost to Contractor, for or in connection with performance of the Work until which time the utilities are isolated:

Parking areas for the Contractor's Work vehicles will be limited to a location near the Work area. Parking along plant site roads and streets will not be permitted. Unless otherwise directed by the CTR, parking for the Contractor and subcontractor employees' will be limited to the parking lot outside the security fence parking facilities.

Sanitary water will be provided by the Company. The Company will provide a backflow preventer for use by the Contractor to connect piping or hoses. Connections to and disconnections from backflow preventer shall be by the Contractor. The water supply source shall be used only in connection with Work performed under this contract. Contractor shall request for Service Interruption 5 working days prior to tie-in.

Limited space in close proximity to the construction site for storage of material and equipment as approved by the Facility Manager.

5.2 Furnished by Contractor

Except as expressly set forth in Article 5.1 of this Statement of Work, the supply, installation, provision, maintenance, repair, and final removal of all temporary facilities and utilities, necessary for full and complete performance of the Work, is the sole responsibility of the Contractor.

Such items shall include, but not necessarily be limited to those listed below. Contractor has the sole responsibility to identify and provide all required temporary facilities and utilities to perform the Work. The type of facilities, move-in and move-out dates, and locations on the work Site shall be subject to and in accordance with the review and approval of CTR.

Temporary Facilities and Lay-down Area

- A. Contractor trailers must be secured or anchored to prevent movement or turnover from high winds. Trailer anchoring shall meet OBBC & DOE-STD-1088-95. Preferred Anchor system is a Minuteman LLBS system with drive pins as determined in length per project condition. Contractor may choose to anchor the trailer by using 10 foot

long Jersey Barriers with ½” galvanized wire rope tie downs in accordance with the spacing table 1 in 24 CFR 3285.402. Trailer manufacturer shall provide anchor calculations to ensure overturning, lateral movement is in compliance with anchor system specified or for any alternative anchor systems. Electrical connections must be made by a qualified electrician. The Company reserves the right to inspect and approve the Contractor’s office installation.

- B. Contractor shall provide mobile self-contained asbestos decontamination trailer unit with the following characteristics: a three stage unit (dirty room, shower room, and clean room), climate controlled, contain shower modules with OSHA compliant air lock curtains, electric water heater, water holding tank, negative air unit with HEPA filtration, and personnel lockers.
- C. Provide maintenance and housekeeping of Contractor's lay down, storage and work areas.
- D. Upon demobilization, the land previously occupied by Contractor's Temporary Facilities and Lay-down area shall be returned to its pre-construction condition or better. This requirement shall also apply to all Temporary Roads, and Parking, Lay-down areas and Temporary Utilities. ODOT #57 gravel shall be used as fill where needed.

E. Smoking Areas:

- Contractor personnel will only be permitted to smoke at designated smoking areas as directed by the CTR.
- Meeting the requirements for establishing and maintaining the smoking area shall be the sole responsibility of the Contractor.
- No smoking shall be allowed outside of the designated smoking area.
- The Contractor shall provide an appropriate fire extinguisher.
- Smoking area shall be designated with a non-flammable barricade.
- Containers for extinguishing and disposal of cigarette butts shall be utilized.
- Contractor shall provide and maintain safe walking access to the smoking area.
- Contractor shall provide a waste disposal container for debris other than cigarette butts.
- Contractor shall follow good housekeeping practices.

F. Eating Facilities

It is the Contractor’s sole responsibility to provide break and lunch areas for their employees, vendors and subcontractors.

G. Sanitary and Change Facilities

The Contractor shall supply Sanitary and Change Facilities required for the project. Contractor shall coordinate with the CTR for the location of Sanitary and Change Facilities.

H. Storage Compounds

Adequate weather-tight storage for storage of materials, tools, and equipment which are subject to damage by weather. The location of storage compounds must be agreed with CTR before storage of materials commences. Such compounds shall be maintained for the storage of the approved materials and for no other purpose.

I. Construction Power/ Temporary Facility Area Power

Contractor shall provide temporary power (generator) to provide electric for temporary facilities, temporary lighting, tools and equipment to perform the work. Electrical connections to Contractor trailers, temporary facilities or other electrical systems or equipment must be completed in accordance with the requirements of Attachment J-13. Contractor shall not be permitted to occupy trailers or temporary facilities prior to inspection and approval by the Company. Contractor shall provide temporary lighting or task lighting, as required to perform the Work.

- J. Onsite generation of power is allowed providing that such power is obtained through the use of properly installed, acoustically insulated diesel electric generating units as approved by the CTR.
- K. Contractor's distribution system, lighting systems and wiring shall be installed in accordance with the National Fire Protection Association (NFPA) and the National Electric Code (NEC) and maintained in a satisfactory condition.
- L. No weight shall be imposed upon any electric cable and no staging, ladder or similar equipment shall rest against or be attached to it. Temporary power cables in use by Contractor must be positioned so that they do not cause a tripping hazard. (Run 8-ft overhead or laid neatly out of walkways.)
- M. Contractor shall be responsible for maintaining and removing any equipment or devices installed.
- N. Before the Contractor plugs in any electrical appliance to any plug socket belonging to the Company it shall ensure that the appliance is in good condition and is fitted with a suitable cable, including fully rated and insulated neutral conductor and protective ground conductor.

Water

- O. The Contractor shall furnish, install, remove and dispose of all necessary piping, fitting, connections, hoses, equipment, systems or storage facilities required to route water from a provided tie-in location to the Work area. Contractor shall distribute and convey water in an efficient and orderly way. Leaks and waste shall be minimized and care shall be exercised to eliminate the buildup and dispersal of mud resulting from leaks, spills, and truck loading operations.
- P. Locations and piping shall be subject to review and approval by the CTR. Any permission required will be coordinated by the CTR. If water is not available or not suitable to the Contractor, then the Contractor shall be solely responsible for providing an alternate water source as approved by the CTR. Contractor shall provide all necessary fittings, connections and equipment to provide a complete water system.

Water Disposal and De-watering

- Q. Contractor shall be responsible for the safe and proper disposal of water into either local drainage systems or, where these are either not available or water has become contaminated, to offsite disposal locations approved by CTR.
- R. Water used during asbestos abatement shall be collected as specified in the Construction Specification 01070 – Asbestos Removal.

Temporary Buildings

Contractor shall provide, operate, maintain, remove and/or dispose of all temporary buildings in accordance with the requirements of the Contract.

Fuels and Lubricants

- S. Contractor shall provide all fuel for heating and ventilation for their Temporary Facilities.
- T. Oils, greases, and similar materials must be stored in nonflammable bins or buildings or in a fenced compound remote from other combustible materials in accordance with NFPA and as approved by CTR.
- U. "No smoking": signs shall be provided by Contractor and prominently displayed in areas where flammable materials are stored. Additionally, Contractor shall provide and maintain suitable fire extinguisher in such areas.
- V. Hydrocarbon Powered Vehicle Limitations in the Process Facilities: This limitation is applicable to, but not limited to, golf carts, Kubota's, cars, trucks, vans, tuggers, tow-motors, fork trucks, manlifts, etc. Hydrocarbon fuels include, but are not limited to gasoline, diesel, or ethanol. The amount of a fuel allotted in each individual hydrocarbon powered vehicle is limited per the building direction. The use of propane for vehicle fuel is prohibited.
- W. Stationary fuel powered equipment (e.g. generators, pumps, light plants, etc.) with a fuel holding capacity equal to or greater than 55 gallons of fuel must be equipped with a double walled fuel tank. If a double wall fuel tank is not available then the stationary fuel powered equipment must be placed in an acceptable secondary containment device as approved by HSE and the CTR. If an existing secondary containment area is not available, then it is the Contractor's sole responsibility to provide an acceptable secondary containment device. The secondary containment device must be sized to hold the equivalent of the largest tank volume within that containment.
- X. For equipment requiring secondary containment that will be stored outdoors, the containment area must provide for accumulated precipitation, and as such, be sized to 120% of the largest tank volume within that containment. The secondary containment's material(s) of construction shall be impervious to and compatible with, the liquid to be contained. Any spills within the dike or outside the dike shall be reported immediately to the CTR. Provisions shall be made for draining off accumulations of water.
- Y. The Contractor shall ensure that any drain valves remain closed except when draining. The stationary fuel powered equipment and all secondary containment areas must be inspected and maintained daily. The Contractor shall ensure documentation of these inspections is recorded daily, and that the inspection log is available for the Company for inspection upon request. Temporary Electric Generators greater than 25kW will require grounding per OSHA 29 CFR 1926 (F)(3)(i).

Communication

Contractor shall operate all means of communication required for performance of the Work with plant radios while inside the limited Area (LA). Cameras are not permitted on site.

Temporary Roads and Parking

- Z. Contractor shall be responsible for providing and maintaining all roads and parking areas deemed necessary by Contractor for access, and parking in Temporary Facilities areas, construction areas, and between areas. Contractor provided roads and parking areas shall be constructed so as to provide for adequate safe movement of light and heavy vehicles, and equipment. Contractor's temporary roads shall be constructed in a manner to prevent damage to permanent roads, facilities, and underground utilities and structures.
- AA. Contractor shall maintain its temporary roads and parking areas regularly including prevention of fugitive dust emissions.
- BB. Contractor shall remove and restore areas occupied by temporary roads and parking areas upon completion of the Work.
- CC. Contractor shall comply with load restrictions in all buildings and all roads and bridges.
- DD. Maintenance of Traffic: The Contractor shall provide flagmen, safety cones, barricades, signage, etc., as necessary to maintain safe traffic flow on plant streets. Street closure or reduction from two-lane traffic to one-lane traffic shall be minimized. Contractor can use their employees for flagman to control traffic within areas under Contractor control. Contractor shall coordinate traffic control with the CTR if traffic control is required outside of project boundaries. Signage shall be based on International signage standards and conventions.
- EE. The Contractor shall, furnish, erect, and maintain during the progress of construction, substantial barricade, bridging, ramps, sidewalks, cones, barrels, guard rails, and signage; furnish, place and maintain adequate lights and warning signals, provide flagmen and watchmen.
- FF. No Plant streets or roadways shall be barricaded without coordination with the CTR. Requests for street closures shall be submitted to the CTR for approval at least three (3) days in advance.
- GG. Contractor area barriers shall have a designated entrance location(s); each location shall have a sign identifying the project name, contract number, Contractor, Contractor contact and phone number and CTR contact and phone number to notify for entry.
- HH. Barricades, temporary bridging, and other temporary construction installed by the Contractor shall be removed by the Contractor upon completion of work requiring such safeguards.
- II. Supplemental lighting, provided by the Contractor, shall provide adequate lighting and comply, at a minimum, with OSHA lighting and illumination requirements.

- JJ. Temporary fencing to secure work areas, temporary facilities areas, materials, and equipment storage areas.
- KK. Contractor shall provide project signs for traffic control, and direction, and for identifying project areas.
- LL. Transportation facilities on and off-site. Only Contractor's company vehicles, as approved by CTR, will be allowed on-site.

6.0 PERFORMANCE SCHEDULE AND SEQUENCE OF WORK

- 6.1 Specific Milestones, interfaces, and other schedule related bases of this Contract are as set forth in Exhibit 1.
- 6.2 General scheduling, reporting and coordination requirements shall be described in Section H, Special Contract Requirements.

Contractor shall submit the detailed schedule required by Section H Special Contract Requirements in accordance with Attachments J-6 and J-8.

Specific scheduling and coordination requirements may include but not necessarily be limited to the following:

- A. Engineering deliverables by discipline
 - B. Mobilization time for manpower and equipment
 - C. Material deliveries to jobsite
 - D. Shop fabrication
 - E. Incremental completion dates of major components
 - F. Start and completion of different segments of work (early and late starts)
 - G. Any qualifying conditions of Company or Client
 - H. Other as necessary
- 6.3 Contractor Project Schedule shall be a resource loaded Critical Path Method (CPM) Schedule that clearly identifies both, all logical relationships/dependencies between activities related to the project, and the project's projected critical path schedule from Notice to proceed through project completion. This resource loaded Critical Path Method (CPM) Schedule shall have the following two levels:
 - A. The first level, the Pay Item level (Pay Item Layout)
 - B. The second level, the Activity Level (Detailed Layout)
 - C. Activities will roll up to support the Pay Items
 - 6.4 The initial Contractor Project Schedule, once approved by the Company will be known as the Contractor Baseline Schedule (may include approved modifications). This Schedule will be used for comparison with subsequent project schedules. The project schedule shall meet the following requirements:
 - A. Monthly Project Schedule Update which shall include the following:
 - Actual or projected start and finish dates
 - Activity progress and remaining duration
 - Bar chart schedule comparing the current schedule to the baseline schedule
 - Revisions to craft resources

- Specific to estimated schedules in man hours
- Percent complete for each activity (summarized/listed in the Pay Item section of the Contractor Project Schedule and shall be the basis for the amount invoiced for that Pay Item).
- A copy of the updated Contractor Project Schedule shall be submitted to the Company by the date established in the contract.

6.5 Contractor shall submit a Four-Week Rolling Schedule (refer to Attachment J-30) which documents/lists four weeks of the Project Detailed Layout, which shall include the following:

- A schedule of the previous week, the present week, and the two future weeks
NOTE: The activity may be a pay item when it is of sufficient detail to meet the definition of the activity.
- Activities grouped by Pay Item activities and sorted by Early Start Dates
- Activities schedule coded with corresponding Pay Item ID code
- Expected/Projected Man-hours by craft (carpenters, laborers, operators, etc.) for each activity
- Pay Item values breakdown of activities

The Four-Week Rolling Schedule shall be presented to the Company at the Weekly Progress Meeting.

6.6 Contractor Scheduling Software

The Contractor shall be required to use the following software, which is compatible with the Company Scheduling Software (Primavera P6) to prepare the required project schedules:

- A. Primavera P3
- B. Primavera Subcontractor
- C. Microsoft Project

6.7 An electronic file containing the updated project schedule shall be submitted along with the hard copy of the updated schedule.

6.8 Work Hours, Deliveries and Overtime

Contractor shall perform all Phase 1 work on a 4 day – 10 hour schedule Monday through Thursday between the hours of 6:30 am and 5:00 pm. Contractor shall be prepared to work the hours required by Contract.

Contractor shall perform all phase 2 work on an alternate work schedule to support building structural demolition by others. Demolition will be performed Monday – Thursday 6:30 am to 5:30 pm. Contractor shall propose an alternate schedule for company approval on days/hours other than demolition work hours.

Material and equipment deliveries shall be permitted Monday through Thursday, e.g. 7:00 AM-4:30 PM Eastern Time. Deliveries outside of these times must be coordinated with the CTR at least two (2) working days in advance.

Requests for scheduled overtime, weekend, or holiday work during normal situations shall be made to the CTR at least two working days before the start of these shifts.

Requests for non-scheduled extended work hours in emergency situations shall be made to the CTR at least three hours in advance for overtime during the normal work week and at least by noon of the last regular workday.

For work being performed outside the normal work schedule the Contractor shall coordinate with the CTR for any special arrangements for security, safety, escorting, health physics, and other the Company provided resources. Plant entry and exit requirements may change when working outside of the normal work schedule. It is the Contractor's sole responsibility to coordinate with the CTR to plan accordingly for personnel, deliveries, and all other requirements needed to perform work during non-normal scheduled work times.

7.0 REPORTING REQUIREMENTS AND COORDINATION MEETINGS

Contractor shall promptly submit the schedules and reports set forth in Attachment J-8 Contractor / Supplier Submittal Register.

7.1 Daily Reports

Contractor shall make written Daily Reports (Attachment "J-5", Contractor Daily Report) to the CTR by 10:00 am each morning for the preceding day.

7.2 Weekly Progress Meetings

The Contractor shall attend weekly progress meetings. Contractor shall be prepared to discuss scheduled progress versus actual progress giving details of Work completed in relation to the approved schedule, together with a Four-Week Rolling Schedule which provides details of how the Work will be completed. The Contractor shall submit the completed weekly progress meeting report prior to the following weeks meeting.

The person or persons designated by the Contractor to attend the meetings shall have the required authority to make decisions and commit the Contractor to solutions agreed upon during these meetings.

7.3 Schedules and Schedule updates

Shall be in form and format approved by Company. These reports shall be submitted under cover of a letter in accordance with Attachment J-6.

7.4 Other Meetings

Contractor participation in certain additional activities shall also be required. These activities shall include, but not be limited to:

Indoctrination and orientation of all Contractors' employees prior to commencing work at the jobsite. (This includes the entire labor force and all new hires). The meeting will last approximately 8 hours.

Other meetings/ briefings as described in Attachment J-13.

8.0 CORRESPONDENCE, SUBMITTALS AND COMMUNICATION REQUIREMENTS

8.1 Correspondence, submittals and communication with the Contractor shall be in accordance with Attachment J-6.

8.2 When required by the Contract, Contractor shall transmit to Company, technical submittals, shop drawings or samples, including supporting catalog cuts, manufacturer's literature, sketches or drawings, calculations and other pertinent data, in sufficient detail to enable

Company to review the information and determine that Contractor clearly understands the requirements of the Contract. Documents shall be transmitted to Company under cover of formal contract correspondence utilizing Attachment J-6 Contractor/Supplier Cover Sheet. Contractor shall provide submittals listed on Attachment J-8 (Contractor / Supplier Submittal Register) as part of the Statement of Work.

- 8.3 Contractor shall submit all engineering data, samples, and shop drawings (herein called "data") listed on "Attachment J- 8 (Contractor / Supplier Submittal Register) for review in accordance with Attachment "J-6".
- A. Refer to the Attachment J-8, (Review Period Column) for the Company required review period of data submitted by Contractor.
 - B. Each submittal of Contractor's data shall be signed by Contractor and accompanied by a letter of transmittal containing the date of submittal, Contract Number, and all pertinent information required for identifying and checking submittals.
 - (1) One (1) reproducible and two (2) prints shall be submitted for each drawing and any other documents larger than 11" x 17".
 - (2) Two (2) prints shall be submitted for documents which are 11" x 17" and smaller, and documents such as procedures and calculations shall be 8 1/2" x 11" size.

Although Work may proceed on receipt of data with a Code "B" notation, Contractor must incorporate the changes indicated, resubmit for final approval Code "A" before release of materials or equipment for shipment can be approved by Company. Returned copies of data with Code "B" and "C" shall be resubmitted not later than ten days after the date of transmittal by Contractor of such copies of such data.

- 8.4 For Contracts that include new construction, the Contractor shall furnish to Company reproducible drawings revised by Contractor to show "as-built" information.

Contractor's revisions shall show details of those locations where the Work performed by Contractor was at variance with the details shown on the drawings (either furnished by Company or furnished by Contractor and reviewed by Company).

Contractor's submittal to Company of such "As-Built" drawings shall be made on a continuous basis as the Work proceeds, but in all cases prior to the date of Notice of Acceptance. For the purposes of Contractor's inclusion of "As-Built" information,

Company will provide Contractor with an electronic version of Company furnished drawings.

- 8.5 Company reserves the right to review certified material test reports for all materials of construction at any time during field erection. Contractor shall maintain these documents readily available for such review and shall submit all documents to Company on the completion of the Work.

- 8.6 Contractor shall maintain at the jobsite up-to-date copies of all drawings, specifications, and other documents and supplementary data, complete with latest revisions thereto. In addition, Contractor shall maintain a continuous record of all field changes, and at the conclusion of

- the Work, shall incorporate all such changes on the "As Built" drawings and other engineering data and shall submit the required number of copies thereof to Company.
- 8.7 Contractor shall show the Company Contract Number and identifying item numbers, if applicable, on all data submitted pursuant to this Article 8.0.
- 8.8 Where samples are required, they shall be submitted by and at the expense of Contractor. Such submittal shall be made not less than thirty (30) calendar days prior to the time that the materials represented by such samples are needed for incorporation into any Work. Samples shall be subject to review and materials represented by such samples shall not be manufactured, delivered to the site or incorporated into any Work without such review.
- 8.9 Each sample shall bear a label showing Contractor's name, project name, name of the item, manufacturer's name, brand name, model number, supplier's name and reference to the appropriate drawing, technical specification section and paragraph number, all as applicable.
- 8.10 Samples which have been reviewed may, at Company's option be returned to Contractor for incorporation into the Work.
- 8.11 The Contractor shall commence performance of planning, scheduling, and generating requirements contained in the submittal register for the work after receiving Notice to Proceed from the Company. Key Submittals are:
- A. Work Plan
 - a. Submittal of the Work Plan shall be in accordance with Attachment J-6. All Plans shall be approved by FBP prior to the start of work activities. The Contractor shall follow the format specified in Attachment J-25.
 - B. Job Hazard Analysis
 - a. Analysis of the hazards associated with each work task, and associated controls to mitigate the hazards, see Attachment J-13. The Contractor shall be provided access to FBP Alliant system to generate Job Hazard Analysis (JHA).
 - C. Training Matrix
 - a. The training matrix submittal is for the purpose of defining the required training to address the hazards associated with a specific task. J-13 Appendix 1 can be used for the evaluation and incorporation of training needs.
 - D. Detailed Schedule
 - a. The Contractor shall produce Task Order-specific schedules utilizing Primavera P6 or equivalent scheduling software. Schedules required for Task Order work are a Management Summary Level Schedule 1), Project Level Schedule (Level 2), and a resource (manpower) loaded schedule). Schedules shall be resource loaded (manpower and cost). Schedules shall be developed to assure that productivity is optimized through efficient, safe work practices.
 - b. The detailed project schedule will be updated and resubmitted weekly.
 - c. Additional submittals will be required depending on task-specific needs.

9.0 CONTRACT MODIFICATIONS

9.1. The Contract Modification, "Attachment J-11" is the only document by which the Contract may be changed or supplemented. It is therefore the only authority for payment of changes, and changes may not be invoiced until the appropriate modification has been executed.

9.1.1. Company will prepare all Contract Modifications.

9.1.2. Changes covered by a modification may include but are not limited to:

- 9.1.3. Added or deleted Work
- 9.1.4. Revised drawings or specifications
- 9.1.5. Modified conditions for performance of work or unforeseen field conditions
- 9.1.6. Authorization of overtime Attachment J-12
- 9.1.7. Revised requirements for Company or Contractor furnished materials, equipment or services.
- 9.1.8. Schedule revisions
- 9.1.9. Alteration or removal of completed Work
- 9.1.10. Both Company and Contractor's authorized representatives shall execute all Contract Modifications.
- 9.1.11. Contract Modifications shall be numbered consecutively.

10.0 CLEAN-UP, SAFETY, WORK RULES, AND REGULATIONS

- 10.1 Contractor shall perform the work in a safe manner and keep the work site in a clean condition in accordance with Attachment J-13, Environmental Health & Safety Requirements for On-site Work and shall comply with all work rules and regulations
- 10.2 The Contractor shall submit their Project Safety Plan to the Company for review and approval in accordance with Attachment J-8. The Project Safety Plan shall address project details (general and specific), requirements of J-13, and comply with and meet applicable Federal, State, and local laws, rules, regulations and guidelines governing worker safety and health. The plan shall address all operations and work practices of the Contractor, subcontractors, and suppliers.
- 10.3 For Fire Protection Requirements refer to Attachment J-29.

11.0 WASTE MANAGEMENT

The X-333 Exterior ACM Abatement Project will generate industrial/sanitary waste and regulated asbestos low-level waste. The contractor shall notify and coordinate with the company in advance of all waste containerization and labeling activities to ensure appropriate waste packaging certification requirements are met.

- 11.1 The Contractor shall demolish, size reduce and load debris and waste generated from the Work into appropriate containers. Debris and waste generated during this project shall be segregated and containerized as follows:

Material	Waste Type	Container type:
General Waste	Industrial Debris/ Sanitary Waste	Roll-off
RACM Waste	Regulated Asbestos Low-Level Waste	Sea-land/Intermodal/B-25

11.2 The Contractor shall not collect or store debris. When debris piles are necessary for the Work the Contractor shall maintain the piles. This includes minimizing the volume and hazards associated with the material.

11.3 Container Supply and Management

- A. The Company will provide all waste containers.
- B. The Contractor shall be responsible for management, packaging, containerizing, and placement of waste into waste containers at locations provided by the Company.
- C. The Company will be responsible for staging, placement, and movement of waste containers.
- D. The Company will be responsible for subsequent handling, transportation, and disposal of waste containers.

11.4 Labeling of Waste and Containers

The Company will be responsible for labeling and marking waste containers.

The Contractor shall be responsible for labeling waste as it is generated and prior to placement into the appropriate container

12.0 SECURITY

12.1 For Security requirements while working on the PORTS Site the Contractor shall refer to Attachment J-15, Specification 01546 PORTS FBP Site Security Requirements.

13.0 QUALITY ASSURANCE

13.1 Contractor shall be responsible for the performance of all quality assurance program criteria specified in Attachment J-16 Quality Assurance Requirements. The Contractor shall submit a Quality Assurance Program Plan and supporting Inspection Procedures required to perform the Work in accordance with Attachment J-8.

13.2 Contractor quality document(s) submittal shall be approved by the Company prior to activities affecting quality start. The Company may audit the Contractor's quality program prior to initiating work.

14.0 CONSTRUCTION

14.1 Contractor shall perform the Work in accordance with this Statement of Work all contractual inquiries should be addressed to the Contract Administrator and Technical inquiries addressed to the CTR in accordance with Attachment J-6.

14.2 Acceptance of Contract:

In Conjunction with Contract Clause H.54 the Contractor shall coordinate a final acceptance walk down of the work with the CTR and others as required to verify completion of the Work and identified discrepancies. Discrepancies will be documented on a punch list and shall be resolved by the Contractor prior to acceptance. Completion of the Punch List must be executed within the Contractor's project schedule for work completion and not extend beyond the approved project schedule.

The Company shall verify and document that all deliverables, including the Performance Verification Testing submittals of the test reports, has been received and that all requirements have been satisfied. Any nonconformance shall be just cause for rejection of the service provided and delayed payment until the supplier complies with the SOW.

EXHIBIT 1 – MILESTONE SCHEDULE

Schedule Summary		
Pay Item	Pay Item Description	Duration (Calendar Days)
1	Notice to Proceed (NTP)	N/A
2	Pre-Mobilization Submittals	27 Days After NTP
3	Mobilization and Training	62 Days After NTP
4	Perform MSA	74 Days After NTP
5	Phase 1 - Section 01 & 02 (ALL SIDES)	179 Days After NTP
6	Phase 2 - Section 03 North & South	238 Days After NTP
7	Phase 2 - Section 04 North & South	270 Days After NTP
8	Phase 2 - Section 05 North & South	299 Days After NTP
10	Phase 2 - Section 06 North & South	327 Days After NTP
9	Phase 2 - Section 07 North & South	357 Days After NTP
11	Phase 2 - Section 08 (ALL SIDES)	504 Days After NTP
12	Demobilization	21 Days After Field Work
13	Project Closeout	21 Days After Demobilization

EXHIBIT 2 – ACRONYMS

ACM	asbestos containing material
CPM	critical path method
CTR	Contract Technical Representative
D&D	decontamination and decommissioning
DOE	Department of Energy
ESH&Q	Environmental Safety Health and Quality
The Company	Fluor – BWXT Portsmouth
FMSCR	Federal Motor Carrier Safety Regulations
GFCI	ground fault circuit interrupter
GVWR	gross vehicle weight rating
HEPA	high efficiency particulate air
HSE	health safety environmental
KW	kilowatt
LLBS	longitudinal and lateral bracing system
LLW	low-level waste
LOTO	lock out tag out
NEC	National Electric Code
NFPA	National Fire Prevention Association
NAM	negative air machine
OBBC	Ohio Basic Building Code
ODOT	Ohio Department of Transportation
OSHA	Occupational Safety and Health Administration
PORTS	Portsmouth Gaseous Diffusion Plant
PPE	personal protection equipment
PUCO	Public Utilities Corporation of Ohio
RWP	radiological work permit
SHWP	safety health work permit
SOW	statement of work
SWPPC	Storm Water Pollution Prevention Controls

EXHIBIT 3 – CONSTRUCTION SIGN

