

PART I - THE SCHEDULE

SECTION C – STATEMENT OF WORK

On-site Transporting of Scrap Equipment

Rev.0

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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 On-Site Transporting of Scrap Equipment hereinafter called the Work.

Contractor shall supply all adequate and competent labor which includes: safety supervisor, field superintendent, laborers, operators, teamsters, tools, materials, and rental equipment to support the equipment preparation/stripping, loading, unloading, transporting/hauling of scrap equipment identified on the Exhibit 4 “Scrap Equipment” list of 60 plus pieces of equipment to a location on plant site (to be determined by FBP) for shearing and cell disposition.

- 1.1 The Work shall include: pre-mobilization including submittals and training, mobilization and rental of heavy equipment haulers, loaders, cranes, etc. so scrap equipment can be loaded, securely fastened, haul/transported and unloaded to the area identified by FBP on plant site for shearing and disposal in the OSWDF cell area. Contractor will strip/prepare each piece of equipment prior to transporting for disposition. Striping equipment will consist of: draining fluids (oils/hydraulics), remove batteries and light fixtures/lamps.

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 – N/A

- 2.2 Drawings – N/A

- 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	List of Scrap Equipment

3.0 DESCRIPTION OF WORK – SPECIFIC

The Work for the *On-Site Transporting of Scrap Equipment* described in Articles 1.0 and 2.0 of this Statement of Work shall include, but not be limited to, the following:

- This scope of work will take place in various locations on plant site: X-533 Trailers, X-700, X-750 (X-106 Pad), X-750 (West RMA), X-743, Scrapyard, X-344 area, X-744Q, etc. Equipment to be moved in groups from these various locations before scheduling the rental equipment for removal of the stripped equipment.
- Equipment required by Contractor may include Heavy-Duty Equipment Wrecker, Hauler and Crane to load, fasten/haul and unload Scrap Equipment so it can be sheared and dispositioned in cell. Rigging, straps, shackles, pads, and dunnage to be provided by Contractor. FBP's Hoisting and Rigging Manager will review and approve hoisting and rigging materials proposed by Contractor in the general work package and work order sheets. Additional required equipment may include Crane (AT100 Ton Rough Terrain), Rubber Tire Loader w/forks, Lowboy with Semi-tractor and Operator, Dozer, Skidsteer and Roller Compactor. The dozer, Skidsteer and Roller Compactor may be required for the areas where the scrap equipment is located in secluded areas to be able to get stone laid just to access the equipment.
- Contractor will strip all equipment of fluids (oils/hydraulics), batteries, light fixtures/lamp prior to moving. This will include spill kits, absorbent pads, plastic, transfer pumps, containment setup (berm, poly) necessary to perform this function. FBP will provide containers to collect the waste (bulbs, oil, fuel hydraulic fluid, etc.). Contractor to empty only the tanks, hoses to be left as is.
- Scrap Equipment (see attached list) will consist of approximately 57 pieces similar in description to transport (Strip, Load, Unload Various Pieces of Equipment listed in Exhibit 4 "Scrap Equipment" list.
- Contractor will downsize various pieces of scrap equipment including: Heavy Forklift (remove mast separate from tractor), Tank Rail Cars (remove tanks and haul separately with lowboy, then the frame and cars), Crawlers with Shears (remove shear/grapppler and transport, remove boom and transport, then the crawler), Flatbed Rail Cars (remove bed and transport separate from cars. Locomotive (size reducing in place, shell, motor/engine, and frame chassis) or may need a much bigger crane for removal.
- Contractor to construct a new gravel road to allow rough terrain crane access. Crane to move Flat Allis dozer that is North of ILTS to a position for loading onto Lowboy trailer.
- RADCON will perform minimal surveys on equipment as required.
- In addition to a general work package (SSWP/JHA) Contractor shall provide each piece of equipment its own work order sheet describing specific waste, rad, safety, environmental, hoisting/rigging requirements to be followed.

3.1 Specific Scope of Work

- 3.1.1 Contractor may mobilize to the Demolition Zone once they have received an "A" or "B" status on all required pre-mobilization submittals and Authorization to Mobilization has been given.
- 3.1.2 Contractor shall coordinate all mobilization activities with the Contract Technical Representative (CTR).
- 3.1.3 Contractor shall perform dust control throughout the project as necessary per the Environmental Protection section of this Statement of Work.

- 3.1.4 Contractor shall install erosion and sediment control measures per the Environmental Protection section of this Statement of Work. Contractor shall maintain erosion and sediment control measures throughout the duration of the project.
- 3.1.5 Contractor shall coordinate with the CTR to establish the field office location, break area, smoke area, restroom facilities, lay down area, staging area, container queuing area, weight scale location and other temporary facilities. Changes to the work area layout must be approved by the CTR prior to making the change.
- 3.1.6 Contractor shall establish a waste container queuing area as directed by CTR. Contractor shall provide a physical boundary and signage for the container queuing areas. The queuing areas shall be used as a temporary storage area for empty and full debris/waste containers. Contractor shall strategically place waste containers during use to maximize demolition rates, minimize distance between debris and containers, and prevent unsafe conditions.
- 3.1.7 Contractor shall establish work areas within the Demolition Zone with red or orange plastic construction fencing. Gates shall be plastic yellow chain or yellow rope 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.
- 3.1.8 Contractor shall provide and install safeguards including but not limited to demolition safety / warning signs, such as the required personal protective equipment (PPE) and "Danger Demolition in Progress" signage at each facility. Signage shall be placed every 25 ft. around the defined demolition zone.
- 3.1.9 Contractor shall install the Company's project communication sign at a location directed by the CTR. See Exhibit 3.
- 3.1.10 Contractor shall erect barricades and barriers around defined features of each area to prevent equipment from disturbing and/or damaging items not considered part of the Work. These features include utility manholes, utility poles, utility pipe racks, storm sewer grates, and other features.
- 3.1.11 Prior to the start of Work, the Company will coordinate a walk through with the Contractor to conduct a field survey of the isolated / air gapped utilities to verify that all utilities (e.g., electric, gas, water, steam, sewer and/or services lines, etc, to the buildings) are physically air gapped, capped and/or controlled. The Contractor shall notify the Company in writing of the acceptability of the utility isolations.
- 3.2 Surface Decontamination of Equipment

The Contractor shall provide qualified labor, material, and appropriate means and methods for the decontamination of equipment to allow release of equipment from the site. The cleanup of equipment shall occur at minimum of (5) days prior to a request for release. The contractor shall allow 30 days for the processing and surveying of the cleaned equipment. In the unlikely event that equipment reveals contamination concerns, the Contractor shall perform decontamination activities of equipment within five (5) work days. If decontamination of the equipment is unsuccessful and the Company and Contractor determine that further decontamination efforts are not expected to achieve acceptable 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. NOTE: ALLOW 30 calendar days for processing of radiological release forms (UE5) for all equipment.

3.3 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 Contractor's Detailed Work Plan(s) will be reviewed by the FBP 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 and/or electrical work requiring a permitted lockout/tagout 480 V or higher.
 - Electrical work performed with the Limited Approach Boundary on energized electrical conductors and circuit parts 601V or higher
- Permit required excavation and penetrations
- Elevated work – over 6 feet from the adjacent work surface that requires Personal Fall Arrest System (PFAS)

Exemptions

- 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.
- Critical lifts requiring development of a lift plan
 - Potential exposure to a high pressure (i.e., a system subject to an internal or external fluid pressure above 3,000 psig)
 - Uncertainty with contents, materials or hazards
 - A credible failure of a control that could result in an explosion or fire regardless of the initiating event
 - Radiological and chemical (Radiation work requiring an ALARA review and chemical for high concentration acids, caustics (>10% concentration))

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

- A. Sequence of Work
- B. Methods to be used to prevent the potential spread of contamination
- C. Methods to be used to control fugitive emissions during demolition activities.

- D. Size reduction methods
- E. Means to protect adjacent structures, equipment, material, and underground and above ground utilities from damage, including protection from projectiles.

3.4 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.

- 3.4.1 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 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:

- Radiological surveys (inbound/outbound) of rental equipment that will be used on-site
- Pro-Force/Security support-333, if required
- Containers to collect waste (fluids: oil/hydraulics and bulbs)

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:

- 5.1.1 Parking areas for the Contractor's Work vehicles will be limited to a location near the Work area as directed by CTR. Parking along plant site roads and streets shall not be permitted. Unless otherwise directed by the CTR, parking for the Contractor and subcontractor employees' shall be limited to the parking lot outside the security fence parking facilities.
- 5.1.2 Water, will be provided by the Company from existing fire hydrants as directed by CTR. The Company will provide and install a backflow preventer for use by the Contractor to connect water piping or hoses. Connections to and disconnections from backflow preventer shall be by the Contractor. The Company will not provide potable water.
- 5.1.3 Limited roughly graded space adjacent to the construction site for temporary facilities and storage of material and equipment. Refer to CTR for location of available areas. (No storage facilities or protective coverings of any kind will be furnished by Company.)

- 5.1.4 Permanent power for connection of the Contractor's Project Trailer.
- 5.1.5 Site perimeter security fencing and access gates.
- 5.1.6 The Company will provide a specified number of roll-off box type containers for debris as outlined in the Waste Management section of this Statement of Work.

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.

5.2.1 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. Maintenance of Contractor's lay down, storage and work areas and roads within such areas.
- C. 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.
- D. 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.

5.2.2 Eating Facilities

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

5.2.3 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.

5.2.4 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.

5.2.5 Construction Power/ Temporary Facility Area Power

Contractor shall provide temporary power (generator) to provide electric for temporary facilities (excluding Contractor's Project Trailer), 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, in addition to temporary lights provided by the Company, as required to perform the Work. The Contractor shall be responsible to provide power for the temporary lights furnished by the Company. The Contractor shall be responsible to remove the temporary lights furnished by the Company and return those lights to the Company prior to demolition.

- A. Includes connections to and disconnections from Company provided construction power supply, transforming to lower voltage and distribution. Contractor shall request a Lockout/Tagout and Service Interruption Permit five (5) days prior to performing activity.
- B. 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.
- C. 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.
- D. 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.)

- E. Contractor shall be responsible for maintaining and removing any equipment or devices installed.
- F. 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.

5.2.6 Water

- A. The water supply source furnished by the Company shall be used only in connection with Work performed under this contract (refer to Article 5.1 of this Statement of Work).
- B. 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.
- C. Locations and piping shall be subject to review and approval by the CTR. Any permits/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.

5.2.7 Water Disposal and De-watering

- A. 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.
- B. Contractor shall be responsible for the safe and proper disposal of water that accumulates from rain or Work activities. It may not be discharged to the sanitary sewer or storm sewer systems.

5.2.8 Temporary Buildings

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

5.2.9 Fuels and Lubricants

- A. 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.
- B. "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.

- C. Contractor shall provide all fuel for heating and ventilation for their Temporary Facilities.
- D. Fossil Fueled Vehicle Limitations in Buildings: This limitation is applicable to, but not limited to, automobiles, trucks, tractors, forklifts, high-lifts, other cylinder handling equipment, and personnel carriers. Fossil fuels include, but are not limited to gasoline, diesel, or ethanol. The size of a fuel tank on each individual fossil fueled vehicle is limited to 50 gallons of fossil fuel. The use of propane for vehicle fuel is prohibited.
- E. 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.
- F. 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.
- G. 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).

5.2.10 Communication

Contractor shall provide and operate all means of communication required for performance of the Work, including but not limited to telephones, facsimiles, and radios. Wireless communication systems shall be approved by the CTR prior to bringing the system on-site. Cameras are not permitted on site.

5.2.11 Temporary Roads and Parking

- A. 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.

- B. Contractor shall maintain its temporary roads and parking areas regularly including prevention of fugitive dust emissions.
- C. Contractor shall remove and restore areas occupied by temporary roads and parking areas upon completion of the Work.
- D. Contractor shall comply with load restrictions in all buildings and all roads and bridges.
- E. 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.
- F. 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.
- G. 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.
- H. 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.
- I. Barricades, temporary bridging, and other temporary construction installed by the Contractor shall be removed by the Contractor upon completion of work requiring such safeguards.

5.2.12 Equipment Inspections

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

5.2.13 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.
- C. Contractor shall maintain equipment keys in locked containment when equipment is not in use.

5.2.14 Weather Protection of the work and any methods required to allow continuation of the work during periods of inclement weather.

5.2.15 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.

5.2.16 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.

5.2.17 Supplemental lighting, provided by the Contractor, shall provide adequate lighting and comply, at a minimum, with OSHA lighting and illumination requirements.

5.2.18 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.

5.2.19 Temporary fencing to secure work areas, temporary facilities areas, materials, and equipment storage areas.

5.2.20 Contractor shall provide project signs for traffic control, and direction, and for identifying project areas.

5.2.21 Transportation facilities on and off-site. Only Contractor's company vehicles, as approved by CTR, will be allowed on-site.

5.3 Environmental Protection

5.3.1 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.

5.3.2 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).

5.3.3 The Contractor shall provide filter/erosion control for storm drains impacted by ground disturbing activities to prevent sediments from entering storm drains during the Work activities.

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

5.3.5 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.

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

5.3.7 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.

5.3.8 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.

5.4 Excavation/Penetration

- 5.4.1 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.
- 5.4.2 The Company has performed a subsurface investigation to aid the Contractor in locating existing buried/ hidden utilities or other underground structures or interferences that could impact the Work. Prior to excavation, soil penetration, or other soil/surface disturbing activities the Contractor shall review the Company's subsurface investigation to verify the location of buried/ hidden utilities or other underground structures or interferences that could impact the Work. Contractor shall obtain a Penetration Permit following review of the subsurface investigation and prior to digging.

If during the execution of the Work, the Contractor encounters buried/ hidden utilities or other underground structures or interferences not identified previously, the Contractor shall stop work and immediately advise the Company and confirm findings in writing. Company will evaluate findings and direct Contractor to resume work following investigation. The Contractor shall record location, including elevations of buried/ hidden utilities or other underground structures or interferences.
- 5.4.3 Excavations that will potentially exceed a depth of ten (10) feet below the existing grade require written approval from the Company in addition to a Penetration Permit.
- 5.4.4 All excavations require FBP Health Physics to survey spoils during the excavation process.

5.5 Existing Utilities/Service Interruption

- 5.5.1 Where Work involves breaking into or connecting to existing services or utilities, carry out work at times as directed by the Company.

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.

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

- 6.2.2 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

- 6.6.1 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

- 6.8.1 Normal site work hours will be four days per week, 10 hours per day, (Monday through Thursday) between the hours of 7:00 a.m. and 5:30 p.m. Contractor shall be prepared to work the hours required by Contract.
- 6.8.2 Material and equipment deliveries shall be permitted Monday through Thursday, e.g. 7:00 AM-5:30 PM Eastern Time. Deliveries outside of these times must be coordinated with the CTR at least two (2) working days in advance.
- 6.8.3 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.
- 6.8.4 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.
- 6.8.5 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

7.2.1 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.

7.2.2 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 Monthly Reports, 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:

7.4.1 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.

7.4.2 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.
- 8.3.2 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.
- 8.4.1 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).
 - 8.4.2 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,
 - 8.4.3 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.
- 8.8.1 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.
- 8.8.2 Samples which have been reviewed may, at Company's option be returned to Contractor for incorporation into the Work.

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

- 9.1 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
- 9.2 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.
- 9.3 For Fire Protection Requirements refer to Attachment J-29.

10.0 WASTE MANAGEMENT

- 10.1 Debris/Waste Container Supply and Management
- 10.1.1 Sanitary/Industrial Waste Containers
- A. The Company will provide containers, as needed, for use by the Contractor to dispose of sanitary/industrial debris/waste.
- 10.2 Contractor Generated Waste
- 10.2.1 Clean construction debris generated by the Contractor outside the Limited Area shall be removed from site by the Contractor.
- 10.2.2 The Contractor shall ensure all packaging materials and/or scrap material brought to PORTS by the Contractor shall be taken off-site and disposed of by the Contractor to minimize the amount of waste generated at the work site.

10.2.3 Waste generated by the Contractor shall be monitored by the Company prior to off-site removal, if contamination is found greater than release limits, the Contractor must contact the CTR for further guidance on disposition.

10.3 Debris Characteristics/Handling Requirements

10.3.1 Industrial Debris/Sanitary Waste

A. Material shall be size reduced to fit the containers being used.

11.0 SECURITY

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

12.0 QUALITY ASSURANCE

12.1 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.

12.2 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.

13.0 CONSTRUCTION

13.1 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.

13.2 Acceptance of Contract:

13.2.1 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.

13.2.2 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)	-
2	Pre-Mobilization Submittals	30 Days after NTP
3	Mobilization and Training	7 Days after approval of pre-mobilization submittals
4	On-site Transporting of Scrap Equipment	75 Days after NTP
5	Site Restoration	85 Days after NTP
6	Demobilization	90 Days after NTP
7	Project Close Out	120 Days after NTP

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
FBP	Fluor – B&W 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
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

PART I - THE SCHEDULE

SECTION C – STATEMENT OF WORK

EXHIBIT 6 – CONSTRUCTION SIGN



Exhibit 4 – LIST OF SCRAP EQUIPMENT
 Transport Scrap Equipment for Cell Dispositioning

Quantity	Make/Model	Description	Location
4	Volvo A25C	Articulating dump truck	X-533 Trailers
1	International S1600	Fuel Truck	X-533 Trailers
1	Ford L9000	Vacuum truck	X-700
2		Tanker Trailers	X-700
3		Autoclave shells	X-700
1	Gerlinger 40SH8070	Straddle Carrier	X-700
1	Caterpillar V800	Heavy forklift	X-750 (X-106 Pad)
1	International Paystar 5000	Digger Derrick	X-750 (X-106 Pad)
1	Allied Wagner NCH 20	Cylinder stacker	X-750 (X-106 Pad)
1	Samsung SL150	Heavy loader	X-750 (X-106 Pad)
1	Grove RT58	Mobile Crane	X-750 (X-106 Pad)
1	Ford F800	Bucket Truck	X-750 (X-106 Pad)
1	Ford F800	Bucket Truck with Auger attachment	X-750 (X-106 Pad)
1	Ford	Vacuum truck	X-750 (X-106 Pad)
1	Koehring Bantam T-744	Excavator	X-750 (West RMA)
1	John Deere 644E	Loader	X-750 (West RMA)
1	Hyster	Straddle carrier	X-750 (West RMA)
1	Mack	Garbage Truck	X-743
1	White-GMC Autocar	Dump Truck	X-743
5		Tanker Trailers	X-743
1		Water Truck	X-743
1		Autoclave Shell	X-743
2		Tank Railcar	X-743
2	Komatsu PC200LC	Crawler w/ shear attachment	Scrapyard
1	Caterpillar 936E	Loader	Scrapyard
1	Clark	<i>Large forklift</i>	Scrapyard
1	John Deere 790ELC	Crawler with grapple attachment	Scrapyard
1	Mack RD688SX	Dump Truck	Scrapyard
1		Locomotive	Near X-344
14		Flat Railcars	Near X-344
1	Fiat Allis	Bulldozer	
1	Caterpillar D3	Bulldozer	X-744Q