



Fluor-BWXT Portsmouth LLC

Provided to FBP by letter
PPPO-03-10008097-21 dated
October 27, 2020 - JDS

**AUTHORIZATION AGREEMENT
FOR THE
PORTSMOUTH GASEOUS DIFFUSION PLANT FACILITIES
FOR FLUOR-BWXT PORTSMOUTH LLC
PIKETON, OHIO**

**U.S. Department of Energy
Portsmouth/Paducah Project Office
And
Fluor-BWXT PORTSMOUTH LLC**

Date Issued –September 2020

Prepared by
Fluor-BWXT PORTSMOUTH LLC
Managing
Environmental Management Activities at the
Portsmouth Gaseous Diffusion Plant
Under contract DE-AC30-10CC40017
For the
U.S. Department of Energy
Portsmouth Gaseous Diffusion Plant
Piketon, Ohio

REVISION LOG			
Revision Number	Revision Date	Description of Changes	Pages Affected
0	07/25/2011	Initial Issue	All
1	02/28/2014	First Revision, incorporating changes to Safety Basis	All
2	11/10/2015	Incorporating changes to Safety Basis Documents and incorporating facilities from FBP-2010-NSE-00002 (Non-FUEF AA)	All
3	9/17/2020	Revised title of X-345 and X-744G DSA and TSRs, replaced USEC-02 with FBP-EM-PL-00026: FSS/PORTS-20, added X-670 and X-675 Facilities, revised X-343 description, and General Update.	All

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ACRONYMS

AA	Authorization Agreement
AB	Authorization Basis
ACP	American Centrifuge Plant
BIO	Basis of Interim Operations
D&D	Decontamination and Decommissioning
DEAR	Department of Energy Acquisition Regulations
DOE	Department of Energy
DSA	Documented Safety Analysis
DUF ₆	Depleted Uranium Hexafluoride
EPA	Environmental Protection Agency
ER	Environmental Regulatory
FBP	Fluor-BWXT Portsmouth LLC
FUEF	Former Uranium Enrichment Facility
GDP	Gaseous Diffusion Plant
HEU	Highly Enriched Uranium
LEU	Low Enriched Uranium
MAR	Material-At-Risk
NDA	Non-Destructive Assay
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
PB DSA	Process Building Documented Safety Analysis
PORTS	Portsmouth Gaseous Diffusion Plant
RCRA	Resource Conservation and Recovery Act
SB	Safety Basis
SMP	Safety Management Program
SNM	Special Nuclear Material
TSR	Technical Safety Requirements
UESA	Non-Uranium Enrichment Service Activity
USEC	United States Enrichment Corporation

1. SCOPE OF AGREEMENT

This Authorization Agreement (AA) applies to the Portsmouth Gaseous Diffusion Plant Facilities, including the X-333, X-330 and X-326 Enrichment Process Buildings; the X-344A, X-342A, and X-343 autoclave facilities; the X-705, X-700, and X-720 decontamination and maintenance facilities; the X-345 Special Nuclear Material (SNM) Storage Facility; the X-744G Bulk Non-Uranium Enrichment Service Activity (UESA) Storage Building; the X-710 Laboratory; the XT-847 Waste Management Staging Facility; a number of auxiliary facilities (e.g., X-300, X-611, X-690, X-530 and X-6619); and a number of administrative facilities. The Enrichment Process Buildings, the autoclave facilities, the decontamination and maintenance facilities, the SNM and UESA Storage Facilities, the laboratory, and the waste management facility are Hazard Category 2 Nuclear Facilities in accordance with U.S. Department of Energy (DOE) Standard 1027-2018-CN1, *Hazard Categorization of DOE Nuclear Facilities*. The facilities and their major functions are described in detail in their respective authorization basis (AB) documents listed in Section 3 of this AA.

The scope of activities authorized for the PORTS Plant is defined in Fluor-BWXT Portsmouth LLC (FBP) Contract DE-AC30-10CC40017 and the AB documents listed in Section 3 of this AA. Activities authorized under subcontracts with DOE contractors, work authorizations under the Lease, and binding facility agreements between DOE and FBP (collectively "Other Contracts") shall be subject to this AA to the extent explicitly specified in such Other Contracts. All scope defining documents and references are subject to the terms and conditions, special conditions, and exceptions as specified in this AA. The following activities, including processing, handling, and storage of radioactive material, are authorized:

- A. X-326, X-330, and X-333 Enrichment Process Buildings: Authorized operations for the Process Buildings are as described in the Process Building (PB) Documented Safety Analysis (DSA) and the PB Technical Safety Requirements (TSRs). These include, but are not limited to, surveillance and maintenance, limited UF₆ processing and deposit removal, hazard reduction, sampling and removal of enrichment process equipment, cylinder movement and handling, cylinder sampling, sampling and characterization of uranium-bearing equipment and materials, deactivation, reuse and/or recycling of material or equipment, and waste and material handling and movement, storing of uranium materials and waste, moving uranium materials and waste containers within the building and the contiguous areas, staging process equipment, uranium materials and waste containers for transport into/out of the building, inventorying, labeling, packaging, repackaging of uranium and waste materials (including sorting of waste to facilitate shipment), overpacking, consolidating, sampling, and performing inspections and nondestructive analysis (NDA). Other activities performed in the facility are spill cleanup, decontamination, other routine maintenance (such as painting/coating), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.

- B. X-344A and X-342A Autoclave and UF₆ Cylinder Handling Areas and UF₆ Cylinder Storage Areas (i.e. cylinder yards): Authorized operations for the X-344A and X-342A autoclave and cylinder handling areas, the cylinder storage yards and the appurtenant facilities are as defined in the *Basis for Interim Operations of Former Uranium Enrichment Facilities (FUEF) at the Portsmouth Gaseous Diffusion Plant Piketon OH* (BIO) (Chapters 1-5) and the BIO TSRs. These include, but are not limited to, UF₆ cylinder processing and transfer using autoclaves and associated equipment, cylinder movement, handling and storage, cylinder maintenance and repair, cylinder sampling, sampling and characterization of uranium-bearing equipment and materials, deactivation, reuse and/or recycling of material or equipment, and waste and material handling and movement, storing of uranium materials and waste, moving uranium materials and waste containers for transport into/out of the building, inventorying, labeling, packaging, repackaging of uranium and waste materials (including sorting of waste to facilitate shipment), overpacking, consolidating, sampling, and performing inspections and nondestructive analysis. In addition, surveillance and maintenance activities are performed in the X-344A and X-342A and their cylinder storage areas. Other activities performed in the facilities are spill cleanup, decontamination, other routine maintenance (such as painting/coating), housekeeping, building inspections, authorized visits and support activities and other tasks as authorized under Contract No. AC30-10CC40017 and Other Contracts.

The autoclaves in X-343 are no longer operational (shutdown) and X-343 is no longer utilized for UF₆ cylinder processing operations. UF₆ Cylinders may continue to be stored inside or outside of X-343 on the associated cylinder pads. X-343 is also for the reuse and/or recycling of material or equipment, and waste and material handling and movement, storing of uranium materials and waste, moving uranium materials and waste containers for transport into/out of the building, inventorying, labeling, packaging, repackaging of uranium and waste materials (including sorting of waste to facilitate shipment), overpacking, consolidating, sampling, and performing inspections and nondestructive analysis. Other activities performed in the X-343 are spill cleanup, decontamination, other routine maintenance (such as painting/coating), housekeeping, building inspections, authorized visits and support activities and other tasks as authorized under Contract No. AC30-10CC40017 and Other Contracts.

- C. X-342A and X342B Fluorine Generation, Storage and Distribution Piping Areas: Authorized operations in the X-342A and X-342B fluorine generation, storage and distribution piping areas are as described in the BIO and BIO TSRs. These operations include, but are not limited to, the operation of fluorine generation systems and equipment, storage and handling of cylinder(s) of anhydrous hydrofluoric acid, sampling and characterization of equipment and materials, deactivation, reuse and/or recycling of material or equipment, and waste and material handling and movement. In addition, surveillance and maintenance activities are performed in the X-342A and X-342B fluorine generation areas. Other activities performed in the facility are spill cleanup, decontamination, other routine maintenance (such as painting/coating), housekeeping, building inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.
- D. X-705 Decontamination Facility Areas: Authorized operations in the X-705 decontamination facility areas are as described in the BIO and BIO TSRs. These operations include, but are not limited to, contaminated equipment and uranium materials receipt and in-process storage, disassembly and decontamination of equipment, maintenance, repair and cleaning of UF₆ cylinders, uranium materials processing and recovery operations, waste and effluent treatment operations, and site laundry operations. Other activities performed in the facility are spill cleanup, area decontamination, other routine maintenance (such as painting and minor maintenance), housekeeping, building and equipment

inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.

- E. X-700 and X-720 Maintenance Facility Areas: Authorized operations in the X-700 and X-720 maintenance facilities areas are as described in the BIO and BIO TSRs. These operations in the X-700 include, but are not limited to, contaminated equipment and uranium materials receipt and in-process storage, disassembly and decontamination of equipment, maintenance and calibration of equipment, operation of the X-721 RADCAL Facility, waste collection and handling and effluent treatment operations (X-700 Bionitrification Facility), and various facility support and office functions. These operations in the X-720 include, but are not limited to, contaminated equipment receipt and in-process storage; disassembly of equipment; maintenance and calibration of equipment; waste collection and handling; and various facility support, stores, and office functions. Other activities performed in the facility are spill cleanup, area decontamination, other routine maintenance (such as painting and minor maintenance), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.
- F. The X-345 Special Nuclear Material (SNM) Storage Facility is a single-story, reinforced concrete structure. Authorized operations in the X-345 facility are as described in the DSA for the X-345 and X-744G and the X-345 and X-744G TSRs. The facility was designed as a vault. The foundation, floor, roof, and exterior walls are constructed of reinforced concrete. The facility is authorized to store enriched uranium [low-enriched uranium (LEU) and HEU], normal and depleted uranium, including UF₆ cylinders and abandoned equipment with uranium hold-up, low level radioactive wastes, mixed low level wastes, and wastes originating in X-345. Activities also include batching of fissile material and miscellaneous waste handling. Other activities performed in the facility are spill cleanup, decontamination, other routine maintenance (such as painting/coating), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.
- G. The X-744G Bulk Non-Uranium Enrichment Service Activity (UESA) Storage Building is authorized to receive, store, sample, repackage, and ship uranium-bearing materials and wastes as well as excess DOE uranium materials, including, but not limited to, uranium metals, pellets, oxides, UF₄, derbies, fuel rods, fuel pins, trapping materials, etc. as described in the DSA for X-345 and X-744G and the X-345 and X-744G TSRs. X-744G includes an outside grassy storage area and a concrete pad area. The majority of the grassy storage area, formerly known as X-744Y storage yard, was used to store radioactively contaminated dry active waste (DAW), scrap metal, and radioactively/asbestos contaminated items. Uranium material and waste may be stored anywhere within the Category 2 boundary of X-744G. The concrete pad is authorized for the storage of TOC containers of depleted uranium tetrafluoride (UF₄), however all UF₄ containers have been removed from this pad. Other activities performed in the facility are spill cleanup, decontamination, other routine maintenance (such as painting/coating), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.
- H. X-710 Laboratory Areas: Authorized operations in the X-710 Laboratory areas are as described in the BIO and BIO TSRs. These operations in the support of decontamination and decommissioning (D&D) and environmental remediation work, the DUF₆ conversion plant, and the Centrus Energy Corporation American Centrifuge Plant (ACP) include the receipt, storage, analysis, and processing of process, waste, and environmental samples; providing chain of custody; handling and processing of fissile materials; emptying and cleaning of sample UF₆ cylinders and other sample containers; producing and storing various uranium standards and controls; storing sources for Non-Destructive Assay

organization; processing of cleaning solutions for uranium recovery; storing and staging of waste solutions and materials for subsequent treatment and disposition in X-705 or off-site facilities; and performing tests and technology development work. Other activities performed in the facility are spill cleanup, area decontamination, other routine maintenance (such as painting and minor maintenance), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.

- I. XT-847 Waste Management and Staging Facility Areas: Authorized operations in the XT-847 areas are described in the BIO and BIO TSRs. These operations in the support of the D&D and environmental remediation work include the receipt, storage, batching, NDA analysis, packaging and shipping of waste materials. Other activities performed in the facility are spill cleanup, area decontamination, other routine maintenance (such as painting and minor maintenance), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.
- J. X-300 Plant Control Facility and various security and emergency response facilities, X-611 Water Treatment Plant, X-6619 Sewage Treatment Plant, X-670 Dry Air Plant, X-675 Nitrogen Plant, X-690 Steam Plant, X-530 Switchyard, environmental control and monitoring facilities, and the associated transport or distribution systems: Authorized operations in the facilities and areas are described in the BIO and BIO TSRs. These operations in the support of the D&D and environmental remediation work, the DUF₆ Conversion Facility and the Centrus Energy Corporation ACP include plant control and emergency response coordination, provision of utilities for the process and administrative facilities and activities. None of these are Hazard Category 2 facilities; however, there is some radioactive contamination present in the process and/or equipment in some of the facilities and some hazardous chemicals are utilized. Other activities performed, outside of the primary facilities operations, include spill cleanup, area decontamination, other routine maintenance (such as painting and minor maintenance), housekeeping, building and equipment inspections, authorized visits and support activities and other tasks as authorized under Contract No. DE-AC30-10CC40017 and Other Contracts.
- K. Administrative and support facilities are listed in the BIO and general use is described. The activities in these facilities have been evaluated during preparation of the BIO and are described in process hazard screening documents. In general, the only hazards present in these facilities are standard industrial.

2. DOE BASIS FOR APPROVAL

The DOE has determined that:

- A. Through a series of comprehensive reviews, the facilities will be operated in compliance with their AB documents; and this AA, as specified by FBP Contract Number DE-AC30-10CC40017 and Other Contracts as applicable. The AB documents (per 10 CFR 830, AB includes safety basis [SB] as well as environmental compliance documents [i.e., permits, Agreed Orders]) have separate review and approval processes and may be amended without need to revise and reapprove this AA unless the authorized work scope is modified significantly.
- B. Through the review and implementation of the FBP Integrated Safety Management Description, FBP-PM-PDD-00001, latest revision, FBP has committed to conduct and manage work safely. FBP DOE Contract Number DE-AC30-10CC40017 requires implementation of all principles and functions of

integrated safety management involving workers at all levels, including: defining the scope of work, analyzing the hazards and deriving the prevention and mitigation controls, initiating of work per approved plans only after determining that work may be safely performed, and providing feedback for continuous improvement. Also, the Safety Management Programs (SMPs) that afford an acceptable level of safety to the public, the workers, and the environment have been defined and documented in, POEF-FBP-020, Safety Management Program Descriptions for Fluor-BWXT Portsmouth Decontamination and Decommissioning Project. This AA serves to document the DOE approval of the set of AB documents tailored for the PORTS Plant and that this set of documents adequately represents the authorization basis for the PORTS Plant.

- C. Through review of appropriate National Environmental Policy Act of 1969 (NEPA) requirements contained in the performance document, National Environmental Policy Act Program Description, FBP-EP-PDD-00003, as amended, FBP has committed to maintain compliance with NEPA requirements when managing or overseeing self-performance or subcontractors' performance of NEPA tasks. The FBP NEPA program description defines the process by which the Environmental Regulatory (ER) program and individual projects maintain compliance with NEPA requirements and communicates general programmatic information for implementing the NEPA requirements at DOE-Portsmouth installations being managed by FBP. Environmental impacts from operation of the facilities covered by this AA have been adequately analyzed and found not to be adverse to the common defense and security or to the health and safety of the public. Additional descriptions of the environmental impacts are contained in the AB documents. NEPA documentation has a separate review and approval process and may be amended and/or revised without the need to revise and reapprove this AA.
- D. Operation of the PORTS Plant has been reviewed by the Environmental Protection Agency (EPA) and is conducted in compliance with the Title V permit for air emissions and the National Pollutant Discharge Elimination System (NPDES) permit for water discharges.
- E. Through a series of comprehensive reviews, the X-345 and X-744G facilities will be operated in compliance with the performance document, *Facility Inventory Control*, FBP-NO-PRO-00101, as revised, to ensure all materials received into these facilities do not challenge the material-at risk (MAR) limits for each facility as identified in the X-345 and X-345 DSA and TSRs. The inventory control procedure has a separate review and approval process and may be amended and/or revised through the FBP procedure process without the need to revise and reapprove this AA.
- F. Through a series of comprehensive reviews the X-747H, X-747L and X-747K facilities will be operated in compliance with the performance document, *Facility Inventory Control*, FBP-NO-PRO-00101, as revised, to ensure all materials received into these facilities do not challenge the identified less than Category 3 material-at risk (MAR) limits. The inventory control procedure has a separate review and approval process and may be amended and/or revised through the FBP procedure process without the need to revise and reapprove this AA.

3. LISTING OF DOCUMENTS THAT CONSTITUTE THE AUTHORIZATION BASIS

The following listed SB documents and other documents are applicable to the PORTS Plant:

- A. POEF-FBP-024, latest approved revision, *Document Safety Analysis for Decontamination and Decommissioning of the X-326, X-330 and X-333 Process Buildings, Portsmouth Gaseous Diffusion Plant, Piketon, Ohio.*
- B. POEF-FBP-025, latest approved revision, *Technical Safety Requirements for Decontamination and Decommissioning of the X-326, X-330 and X-333 Process Buildings, Portsmouth Gaseous Diffusion Plant, Piketon, Ohio.*
- C. SER-PB-DSA-FBP-01, latest approved revision, *Safety Evaluation Report for the Decontamination and Decommissioning of the X-326, X-330 and X-333 Process Buildings, Portsmouth Gaseous Diffusion Plant Documented Safety Analysis and Technical Safety Requirements.*
- D. POEF-FBP-001, latest approved revision, *Basis for Interim Operation of Former Uranium Enrichment Facilities at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio*
- E. POEF-FBP-002, latest approved revision, *Technical Safety Requirements for Former Uranium Enrichment Facilities (FUEF) at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio.*
- F. SER-FUEF-FBP-01, latest approved revision, *Safety Evaluation Report for the Portsmouth Gaseous Diffusion Plant Former Uranium Enrichment Facilities Basis for Interim Operation and Technical Safety Requirements.*
- G. FBP/PORTS-444, latest approved revision, *Documented Safety Analysis for the X-345 and X-744G Facilities at the Portsmouth Gaseous Diffusion Plant Piketon, Ohio.*
- H. FBP/PORTS-446, latest approved revision, *Technical Safety Requirements for the X-345 and X-744G Facilities Portsmouth Gaseous Diffusion Plant, Piketon, Ohio.*
- I. SER-PORTSEM-SBPT-03-39, latest approved revision, *Safety Evaluation Report for the Portsmouth Gaseous Diffusion Plant X-345 and X-744G Facilities, Piketon, Ohio Documented Safety Analysis and Technical Safety Requirements.*
- J. POEF-FBP-020, latest approved revision, *Safety Management Program Descriptions for Fluor-BWXT Portsmouth Decontamination and Decommissioning Project.*
- K. SER-FBP-SMP-2012, latest approved revision, *Safety Evaluation Report for the Safety Management Program Descriptions for Fluor-BWXT Portsmouth Decontamination and Decommissioning Project.*
- L. Ohio Permit 04-66-0680, Modified Ohio Hazardous Waste Facility Installation and Operation Permit (RCRA, Part B Permit).
- M. Ohio Environmental Protection Agency Authorization to Discharge Under the National Pollutant Discharge Elimination System (Permit Number OIO00000*ND), as it applies to FBP discharges.
- N. Ohio EPA Title V Permit; Facility No. 0666005004, as it applies to FBP emissions.
- O. Ohio Public Drinking Water System License OH6623414.
- P. Ohio Environmental Protection Agency Director's Final Findings and Orders for the Management of Depleted Uranium Hexafluoride at the Portsmouth Gaseous Diffusion Plant.
- Q. FBP-EM-PL-00026: FSS/PORTS-20, latest approved revision, *Joint Emergency Plan: Decontamination and Decommissioning and Infrastructure Support Services Prime Contractors Joint Emergency Plan for the Portsmouth Gaseous Diffusion Plant.*

- R. *Ohio Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action*, including the July 16, 2012 Modification.
- S. DOE/PPPO/03-0425&D2, *Record of Decision for the Process Buildings and Complex Facilities Decontamination and Decommissioning Evaluation Project at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio*, July 2015.

4. TERMS AND CONDITIONS

Operations of the PORTS Plant are subject to the following requirements and conditions:

- A. In accordance with DOE Contract Number DE-AC30-10CC40017, the contract appendix identifies the rules, regulations, orders, standards, and directives of DOE and other federal, state, or local agencies that are to be applied under the contract to the activities associated with the facilities identified in Section 1 of this AA.
- B. Authorized deviations shall be documented by FBP and approved by DOE through exemption requests, compliance schedule agreements, or implementation plans, as appropriate. New or revised requirements shall be incorporated into the contract as agreed upon by DOE and FBP. FBP shall ensure compliance commitments are tracked and completed within established time frames.
- C. FBP shall ensure the Hazard Category 2 facilities are operated in accordance with operational controls specified in the SB as defined in the controlling set of SB documents listed in Section 3 above and subject to the special conditions (Section 6) and exceptions (Section 9) of this AA. FBP Safety Management Programs shall be implemented in accordance with the approved SB documents and as listed in the latest approved TSRs.
- D. FBP shall comply with applicable requirements specified in Emergency Management and Occurrence Reporting elements.
- E. FBP shall assure that the SB is maintained for nuclear facilities consistent with the facility configuration (hardware, procedures, organization, etc.) using an appropriate Unreviewed Safety Question process as required by 10 CFR 830, Part 203. Changes in the SB documents do not require revisions to this AA unless the facilities' authorized work scope is significantly modified.
- F. FBP shall implement and maintain the facility Emergency Preparedness and Planning Program requirements as described in the SB Documents and SMP Document, Chapter 15, *Emergency Management Program*. The emergency plan program requirements are implemented by FBP in accordance with the *Joint Emergency Plan: Decontamination and Decommissioning and Infrastructure Support Services Prime Contractors Joint Emergency Plan for the Portsmouth Gaseous Diffusion Plant* (FBP-EM-PL-00026: FSS/PORTS-20), as specified in the SMP descriptions.
- G. The fire protection program requirements are implemented by FBP with services provided to the site (e.g. DUF₆ Conversion Plant and ACP) through a DOE services agreement which provides fire protection services at Portsmouth, as specified in the SMP description.
- H. FBP shall comply with applicable site wide requirements approved or endorsed by DOE as specified in the following leased facility documents:

- DOE/USEC 1996, USEC and DOE Resolution of Shared Site Issues at the Gaseous Diffusion Plants, latest approved revision.
 - DOE/USEC 1993, Lease Agreement between the United States Department of Energy and the United States Enrichment Corporation, latest approved revision.
- I. Price-Anderson Amendments Act reporting shall be performed in accordance with approved FBP procedures.
- J. FBP shall provide timely notification to DOE of any violations or suspected violations of this agreement, and shall provide DOE a corrective action plan to remedy the violation and prevent recurrence, as required.
- K. The SB documents, programs, and other basis documents identified in Sections 2 and 3 may be revised in accordance with their respective change control requirements without revising the AA, provided that the scope of work specified in Section 1 is not changed and the bases of DOE approval in Section 2 remain intact.

5. CONTRACTOR AND SUBCONTRACTOR QUALIFICATIONS

Through DOE's adherence to the Federal Acquisition Regulations, Department of Energy Acquisition Regulations (DEARs) regarding selection of competent contractors, as well as FBP contract commitments combined with FBP's selection, training, and qualification process implemented through FBP's Integrated Safety Management System Plan, DOE is assured that FBP and its' subcontractors are technically qualified to engage in the activities authorized by this AA. Operations of the PORTS Plant are subcontracted by FBP on an as-needed basis. Additionally, through DOE evaluation of the FBP procurement process and FBP's qualification of bidders for subcontracted work through program oriented reviews, presentations, and assessments, DOE has concluded that FBP has demonstrated ability to safely perform and/or manage performance of the scope of work specified in this AA.

6. SPECIAL CONDITIONS

The following special conditions have been determined as necessary to supplement the bases for DOE approval of this AA:

- A. FBP shall comply with the provisions of this AA except for reasonable action taken in an emergency, when such action is needed to protect the environment, and/or the health and safety of the public and/or worker, and it is not immediately apparent to FBP that action consistent with this AA would provide adequate protection.
- B. In the event that a condition(s) is discovered that is determined by FBP to be outside the scope of the analyzed hazards in the SB and if uncorrected would lead to unsafe conditions, the following general requirements apply (Emergency Response and 6.A above notwithstanding):
- Work shall be suspended.
 - Action(s) that may be required to promptly and safely minimize or eliminate the unsafe condition(s) will be taken at the direction of the FBP Facility Manager or their designee.

- The condition shall be immediately reported to FBP management for determination of further responsive action, cause, corrective action, and reporting responsibilities.
- Work shall not proceed in the affected area until DOE determines that work may be safely performed and FBP has submitted the appropriate documentation required by the SB.

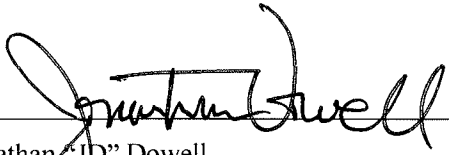
7. EFFECTIVE AND EXPIRATION DATES

The conditions and limitations within this AA are effective upon the latest signature date by all parties and shall expire upon expiration or termination of the DOE Contract Number DE-AC30-10CC40017. This AA shall be reviewed on a periodic basis coincident with that of the Safety Basis Documents. Results of the review of the AA shall be reported to DOE and the AA revised as needed. However, failure to complete the review as scheduled does not render the AA void.

8. STATEMENT OF AGREEMENT

DOE and FBP agree to all of the provisions of this AA subject to the conditions specified in the DOE Contract Number DE-AC30-10CC40017, between FBP and DOE.

Approvals:



Jonathan "JD" Dowell
Site Project Director
Portsmouth/GDP D&D Project
Fluor-BWXTE Portsmouth LLC

9-22-2020

Date

Robert E. Edwards III, Manager
Portsmouth/Paducah Project Office
U.S. Department of Energy

Date

9. EXCEPTIONS

Should the provisions of this AA appear to conflict with the provisions of Contract Number DE-AC30-10CC40017, the contract shall be the governing document pending resolution of the apparent conflict.