

**Binding Facility Agreement
for the Return of the
X-326, X-232C-2, X-232C-4, X-626-1, X-626-2, X-111A and X-111B Facilities
at the Portsmouth Gaseous Diffusion Plant (PORTS)
under the Gaseous Diffusion Plant (GDP) Lease**

Pursuant to the *Lease Agreement Between the United States Department of Energy and the United States Enrichment Corporation* dated July 1, 1993 (the Lease), the United States Enrichment Corporation (USEC) and the United States Department of Energy (DOE) enter into this Binding Facility Agreement (Agreement) regarding the return of the X-326 Process Building, the X-232C-2 Tie Line, the X-232C-4 Tie Line, the X-626-1 Recirculating Water Pump House, the X-626-2 Cooling Tower, the X-111A SNM Monitoring Portal, and the X-111B SNM Monitoring Portal at the Portsmouth Gaseous Diffusion Plant (PORTS) in Piketon, Ohio from USEC to DOE.

DOE acknowledges that USEC has a critical need for spare components for its uranium enrichment business, which is currently the only domestic source of enriched uranium. Pursuant to Modification Number M066 (Mod 66) to Contract Number DE-AC05-01OR22877 (Cold Shutdown Contract), USEC must relocate, replace, and/or isolate the systems/capabilities listed in Table 1 below. The DOE funded projects listed in Table 1 must be completed prior to the conclusion of the Cold Shutdown Contract, and must be completed prior to the return of the above facilities in order to be consistent with USEC's associated Certificate Amendment Request (CAR) to the Nuclear Regulatory Commission (NRC).

Table 1

PROJECT	DESCRIPTION
1	Fire Water Pump Controls and Alarms Reroute
2	Fire Water Flow and Dry System Supervisory Alarms Reroute
3	Fire Water Supervisory (Tamper Alarms) Reroute
4	Pull Box Alarms Reroute
5	13.8 kV F3 Overhead Feeder relocation

Pursuant to Modification Number M066 (Mod 66) to Contract Number DE-AC05-01OR22877 (Cold Shutdown Contract), USEC must relocate, replace, and/or isolate the systems/capabilities listed below in Table 2. If the projects listed in Table 2 have not been completed prior to September 30, 2010, portions of associated utility systems that would otherwise be permanently released must be immediately re-leased and regulated by the Regulatory Oversight Agreement (ROA) until the project is complete, at which time those utility systems that have been re-leased will be returned to DOE.

Table 2

PROJECT	DESCRIPTION
1	Recirculating Cooling Water/Blow Down Line Reroute
2	Dry Air Plant Relocation
3	Nitrogen Plant Relocation
4	X-530 Heating Modification

Therefore, on September 30, 2010, USEC agrees to release and return to DOE the following facilities:

- the X-326 Process Building,
- the X-232C-2 (Tie Line No. 2 X-330 to X-326),
- the X-232C-4 (Tie Line No. 4 X-326 to X-330),
- the X-626-1 Recirculating Water Pump House,
- the X-626-2 Cooling Tower,
- the X-111A SNM Monitoring Portal, and
- the X-111B SNM Monitoring Portal

USEC has submitted a Certificate Amendment Request (CAR) to the NRC, with regulatory evaluations based on USEC's January 28, 2010, letter from Robert Van Namen to DOE's Larry Clark, notifying DOE of USEC's intent to return the above-mentioned and other facilities. Since that letter did not reference the return of "common area" Buffer Zones, the regulatory evaluation did not include such Buffer Zones. Therefore, since this Agreement must be consistent with the regulatory evaluation, a Buffer Zone is not included at this time. However, USEC agrees to work with DOE to release mutually agreed upon Buffer Zones surrounding the appropriate above referenced facilities no later than December 31, 2010. Access to the referenced facilities will be coordinated through the Shared Site Process¹ until such time as the mutually agreed upon Buffer Zones are released.

USEC and DOE agree to the following conditions:

1. USEC has identified in Attachment 1: a) those parts or equipment in X-326 it will need to remove in support of uranium enrichment activities at the American Centrifuge Plant (ACP) and the Paducah Gaseous Diffusion Plant (PGDP); b) those parts, equipment, systems, floor space, etc. within the X-326 Process Building that USEC will need to utilize in removing such parts or equipment²; and c) those parts and equipment it will need to remove in X-626 in support of uranium enrichment activities at PGDP. These are collectively referred to hereinafter as "Attachment 1 Items". USEC and DOE agree that USEC will perform activities associated with Attachment 1 Items at USEC's cost and regulated under DOE's Basis for Interim Operations (BIO). DOE shall ensure that the BIO permits the activities required to remove the equipment and items in accordance with this agreement by USEC under USEC's existing procedures. By mutual agreement, USEC may perform its activities regulated by the ROA, whereby DOE will lease Attachment 1 Items back to USEC in accordance with

¹ The Shared Site Process is outlined in the "USEC and DOE Resolution of Shared Site Issues at the Gaseous Diffusion Plants (Revision 2)".

²NOTE: The auxiliary systems, that are to be utilized in removing parts or equipment, are needed to implement procedures per the Basis of Interim Operations (BIO) that will be approved by DOE prior to release. USEC will utilize other methodologies requiring fewer auxiliary systems if proposed by DOE after appropriate safety evaluation, and there is no adverse impact to USEC's cost and schedule.

the process outlined in section 7 below. If USEC is unable to take possession of the items after removal, DOE shall store the items until such time as USEC is able to take possession. Any incremental costs associated with the storage and/or relocation of Attachment 1 Items shall be borne by USEC. If, after January 31, 2012, DOE needs to move any Attachment 1 Items in order to perform D&D activities, the incremental costs of moving and subsequent storage shall also be borne by USEC. After January 31, 2012, in the event DOE is no longer able to store the Attachment 1 items, DOE will provide USEC with 120 days prior notice and provide USEC with a reasonable opportunity to relocate the items to a USEC facility for storage. DOE may disposition any items remaining in DOE storage at the end of such 120 day notice period. If utilized, the duration of use of the ROA shall not extend beyond January 31, 2012, or within 30 days after USEC has completed the removal of its desired Attachment 1 Items, whichever occurs first. USEC shall be responsible for the cost of any maintenance USEC determines is required to remove Attachment 1 items, above and beyond what DOE would be requiring for those items.

Additionally, USEC will pay a pro rata share of surveillance and maintenance (S&M) cost while USEC performs activities associated with Attachment 1 Items. Since much of the S&M cost is a common cost that is shared equally among the three process buildings the shared S&M pool is distributed among the three process buildings based on the square footage of each building. The S&M cost for each building is distributed between DOE and USEC programs based on cell hours as follows:

- USEC programs are assigned cell hours based on the actual crew hours worked on specific cells;
- All cell hours are assigned to DOE programs when USEC is not actively removing parts to be used in commercial activities.

For example, if USEC needs to remove 2 compressors from one cell in X-326, and it takes three 10-hour shifts to accomplish the work, the calculation would be as follows:

- Assuming the Annual S&M cost distributed to the X-326 building is \$ "A";
- There are 200 cells in the X-326;
- The total annual cell hours in the X-326 = $200 \times 365 \times 24 = 1,752,000$ cell hours per year;
- The average S&M cost per cell hour = $\$ "A" / 1,752,000 = \$ "B"$ per cell hour;

USEC reimbursement for S&M = $\$ "B" \times 30$ cell hours = $\$ "C"$. (for removal work not associated with major pieces of process equipment, the S&M cost will be considered "de minimis").

Unless otherwise authorized by DOE, USEC shall begin removal of Attachment 1, Item 1 Parts from their respective cells as soon as practicable, and

removal/transfer to an appropriate storage location in X-326 shall be complete no later than January 31, 2012. USEC shall complete removal of Attachment 1, Item 2 Parts as soon as practicable, but no later than three months following notification from DOE of completion of DOE deposit removal activities. USEC shall complete removal of Attachment 1, Item 7 and 8 Parts at a time mutually-agreed to with DOE. USEC shall remove Attachment 1, Item 9 Parts as soon as practicable, but no later than three months following notification from DOE that all X-626 operations have been terminated. USEC's access to and use of Attachment 1 Items 3-7 will cease upon completion of removal activities.

Except for Attachment 1 Items, USEC will make a reasonable effort to remove any parts or equipment required for use at the Paducah Gaseous Diffusion Plant or the American Centrifuge Plant (ACP) prior to the date of release. DOE anticipates beginning D&D activities in the X-326 Process Building on the date of release.

After the date of release, if additional USEC-desired equipment is still available, USEC may remove the equipment at its cost under the terms of the BIO or the ROA, or request DOE remove such equipment, at USEC's cost. DOE shall approve such removal if there is no material interference with DOE's mission and the request is otherwise reasonable. USEC and DOE activities under this Agreement shall be coordinated through the Shared Site Process, as necessary.

With regard to removal of Attachment 1, Item 1 Parts and any other equipment removed from X-326, by or for USEC Inc., for the American Centrifuge Plant USEC and DOE agree that the "*Supplemental Agreement Number 1 to the Lease Agreement Between the United States Department of Energy and the United States Enrichment Corporation, dated December 7, 2006*" (the GCEP Lease) will be modified, at a mutually-agreed time, to include those parts and/or equipment. With regard to removal of Attachment 1 Items intended for use at PGDP, USEC and DOE agree that those transfers will be documented in accordance with the Lease.

If USEC's activities related to Attachment 1 Items are regulated under the BIO, Attachment 1, Item 1 Parts will be leased to USEC (or transferred to USEC Inc. under the GCEP Lease) upon relocation to a USEC-leased or subleased facility. Once removed, Attachment 1, Item 8 and 9 Parts will be transferred to the Paducah Gaseous Diffusion Plant under the Lease.

Attachment 1 Items will be tagged or the items or areas in which the items are located will be otherwise marked by USEC before release of the facilities.

2. The tunnels and the Area Control Room basements (X-220A Instrumentation Tunnels) will remain leased to USEC and will continue to be regulated under NRC authority.

3. USEC and DOE have identified in Attachment 2 all systems and utilities that enter the facilities and the associated jurisdictional boundary agreed to by the parties. Attachment 2 also identifies certain specific systems or portions of systems being returned to DOE which will remain functional to support facilities/equipment/systems being retained by USEC. Both parties acknowledge that further technical and regulatory review could change some of these boundaries and agree that, should changes be required, the basis for these changes will be the same basis used to develop Attachment 2. Specifically:
 - a. For services that can be isolated outside of the building, the jurisdictional boundary will be the last isolating component before entering the facility
 - b. For services that cannot be isolated outside of the building, the jurisdictional boundary will be the first isolating component inside of the building
 - c. In special cases where isolation per a or b above will result in loss of services to USEC retained equipment, the location of jurisdictional boundaries will depend on the safety significance of the retained equipment
 - For equipment that is relied upon for safety per TSR 3.21, USEC will control the service path to this equipment (i.e., the jurisdictional boundary will isolate this path from DOE equipment)
 - Otherwise, DOE will control the service path to USEC retained equipment in a manner that minimizes service disruption to USEC (i.e., the jurisdictional boundary remains as described in a or b above)

Following the effective date of this Agreement, should a more detailed analysis of applicable drawings and/or regulations reveal a need for adjusting the jurisdictional boundaries identified in Attachment 2, the parties agree this adjustment will follow the principles above and will become effective only by written modification signed by the authorized representatives of both parties. Attachment 3 identifies the status of each system/utility at each facility as well as the status of each system/utility at the time of turnover.

4. On July 16, 2010, USEC provided engineer drawings that reflect the jurisdictional boundaries as discussed in paragraph 3 above.
5. Up to 30 days prior to facility release, DOE and USEC may mutually agree to amend Attachment 1 to include additional parts and equipment for removal, and to support removal (“Additional Attachment 1 Items”). USEC shall complete

removal of Additional Attachment 1 Items by March 31, 2011, unless otherwise agreed to in advance by DOE.

6. So long as USEC has a right herein to Attachment 1 Items, DOE shall take reasonable care to avoid acting in a manner to render those items less useable than they are at turnover or preclude USEC's rights to remove those items in accordance with this Agreement. Should such items be rendered less useable as a result of DOE's activities, USEC's recourse shall be to select a like item within the facility as a replacement for the less useable item. In the event USEC requests DOE to take any additional action to ensure all items listed in Attachment 1 are adequately protected over the costs DOE would otherwise incur and such actions result in additional incremental costs to DOE, DOE shall provide notice and a good faith estimate detailing such costs to USEC. At USEC's sole discretion, USEC may (a) agree to pay such additional incremental costs (including agreeing to pay such costs up to a ceiling amount); (b) elect to remove the items; or (c) elect to not pay such costs. USEC shall provide DOE notice of election within thirty (30) days of USEC's receipt of DOE's notice and estimate of costs. In the event USEC elects not to pay such additional incremental costs and does not remove the items, DOE will not be required to undertake the additional actions requested with respect to those items.

7. USEC shall complete the lease turnover requirements for the facilities returned under this Agreement as required under the Lease to enable the turnover of the facilities on September 30, 2010. If areas of the facilities are leased back to USEC to permit the removal of equipment or items under this Agreement then: Prior to the start of the USEC work activities associated with the removal of Attachment 1 Parts, DOE and USEC will conduct a walk down of the areas that have been leased back to USEC for this purpose. The purpose of this walk down is to identify any immediate hazards that are different from those normally present in the areas where the work activities will be performed. Upon notification of completion of the USEC work activities in a particular area, DOE will accept the return of the temporarily leased back area(s) from USEC not later than 30 days after notification of completion subject to a final DOE and USEC walk down of the area to be deleased and verification that USEC materials, waste, and equipment used or generated by the work activities have been removed and that the area has no hazards of a different type than those normally present in the area and those present prior to the USEC work activities. Additionally, USEC shall provide copies of any documentation updated as a result of USEC's activities in the area. DOE and USEC agree that satisfaction of the requirements of this paragraph 7 shall satisfy the lease turnover requirements under the Lease for areas leased back to USEC to permit the removal of equipment or items under this Agreement.

8. If Attachment 1 Items are leased back under the ROA, DOE and USEC agree that USEC work activities under the terms of this Agreement will be conducted under provisions of the Lease. Since USEC has obtained exemptions from 10 CFR Part 830 and 10 CFR Part 835, DOE agrees that the programs, procedures, and practices utilized by USEC under its Certificate of Compliance from the NRC are acceptable to DOE under provisions of the ROA for USEC to use during work activities. DOE will perform regulatory oversight in accordance with the ROA by ensuring that USEC work activities meet the requirements specified in the USEC programs, procedures and practices as they were established for compliance with the NRC Certificate.
9. Ultimate D&D and disposal responsibility for parts and equipment relocated under terms of this Agreement will be determined by the Lease for parts and equipment relocated to the Paducah GDP or other locations within PORTS and by the GCEP Lease for parts and equipment relocated to areas leased under the GCEP Lease.
10. DOE acknowledges that certain items of USEC equipment must remain in place until after facilities are returned to DOE in order to maintain safety for site personnel and the public. Examples of such equipment consist of radiological monitoring equipment, such as PCM2's, Bertholds, and even more-portable survey meters. Within 60 days of the effective date of this Agreement, USEC shall develop a specific list of such equipment in order to effect an orderly transition following facility release so that USEC may retrieve any desired equipment as it is replaced by DOE equipment, or decisions are made not to replace it. DOE and USEC may mutually agree to amend the list to include additional equipment to be retrieved following an orderly transition.
11. USEC and DOE agree to transfer, modify, and/or cancel applicable environmental permits if necessary, effective September 30, 2010. Each party shall be responsible for maintaining and observing environmental permits necessary to perform work activities.
12. X-326 contains DOE RCRA Part B storage areas that have been used for DOE compliance with Lease Exhibit C, Article V, Section B. Once D&D begins for X-326, DOE recognizes that alternate storage space may need to be provided.
13. Unless specifically stated herein, all terms of the Lease and the GCEP Lease apply to this Agreement and nothing in this Agreement shall in any way be construed to alter the terms of the Lease or the GCEP Lease. The terms of this Agreement shall not be interpreted in a manner as to form the basis of any

liability or cause of action against either party for any lost profits, lost savings, or incidental, indirect, special, or consequential damages. DOE's obligations herein are subject to the availability of appropriated funds for such purpose.

The Effective Date of this Agreement shall be the date the last Party signs it. USEC will return the X-326, X-232C-2, X-232C-4, X-626, and X-111A&B Facilities on the date specified in this Agreement. The Parties by their signatures below warrant that each signatory has the authority to enter into this Agreement.

IN WITNESS WHEREOF, DOE and USEC have caused this Agreement to be executed and delivered as of the effective date, and hereby affix the signatures of their duly authorized representatives.

UNITED STATES ENRICHMENT CORPORATION

By: *Robert Van Namen*
Robert Van Namen

Date: *27 July, 2010*

AND

DEPARTMENT OF ENERGY (EM)

By: *William Murphie*
William Murphie

Date: *7/28/10*

AND

DEPARTMENT OF ENERGY (NE)

By: *Robert J. Brown*
Robert J. Brown, Lease Administrator

Date: *7/28/10*

Attachment 1
X-326/X-626 Equipment/Systems Needed by USEC

No.	Parts/System/Equipment/Area or Capability	USEC Need
1	<p>X-326 --- Nineteen 8A Compressors for ACP (To be removed from facility)</p> <p>NOTE: does not include used seals from those compressors, which will be transferred to DOE as is the current practice.</p>	<p>Sixteen suitable compressors to be selected by USEC from among compressors in 25-1-1, 25-1-7, and 25-1-9; other three already cut out and staged. Neither USEC Government Services nor ACP is licensed to possess all nineteen at this time. ACP will work with DOE and USEC Government Services to determine an acceptable resolution for removal and storage.</p>
2	<p>X-326 --- ERP Mass Spectrometer parts/components (To be removed from facility)</p>	<p>Parts/components are needed by ACP and/or the X-710 Mass Spectrometry Lab following completion of DOE Deposit Removal activities.</p>
3	<p>X-326 --- Use of Floor Space in Unit 25-1</p>	<p>To support compressor removal: staging, prep, transportation.</p>
4	<p>X-326 --- Use of Bay 7 Crane</p>	<p>To support compressor removal.</p>
5	<p>X-326 --- Use of Elevator #2</p>	<p>To support compressor removal.</p>
6	<p>X-326 --- Use of other equipment/systems/utilities to support ACP compressor removal</p>	<p>ACR-6 evacuation MOV panel. PG evacuation header from Unit 25-1 to traps. Purge alumina traps, air-jet, space recorders and 120v power to the recorders, and constant vent monitor. Plant air piping header, from service header to Unit 25-1. Building lighting, 480 volt electrical, 120 volt electrical in Unit 25-1. Sprinkler systems, sanitary fire hydrants, fire alarms, evacuation alarms for Unit 25-1. CAAS, telephone systems, public address system. Fire extinguishers, emergency egress lighting for Unit 25-1.</p>
7	<p>X-326 --- Use of Cell Floor NDA Cage</p>	<p>Use of cage area with USEC equipment to support ACP parts removal. USEC equipment will be removed at a later date.</p>

Attachment 1
X-326/X-626 Equipment/Systems Needed by USEC

No.	Parts/System/Equipment/Area or Capability	USEC Need
8	X-326 --- DS 420 Breakers (6 each)	For transfer to PGDP.
9	X-626-1 --- selected components from switchgear (To be removed from facility)	For transfer to PGDP.

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Sanitary/Fire Water X-230A	X-326	X-761-0053-JB R0	Delease back to the five Isolation Valves at Sanitary Water entrance piping exterior to the X-326 (Valves 15-2, P-3S, P-7S, P-9S, P-10AS)	Requires completion of modifications for DAP Relocation.
	X-626	X-761-0053-JB R0	Delease back to the two Isolation Valves at Sanitary/Fire Water entrance piping exterior to the X-626 (Valves 5-2, 411)	
Storm Drains X-230C	X-326	X-761-0051-JB R0	Delease back to the point where the discharge lines from the X-326 building join the external Storm Drain Header	
	X-626	X-761-0051-JB R0	Delease back to the point where the discharge lines from the X-626 building join the external Storm Drain Header at Manholes G-2 and G-3	
Sewage X-230B	X-326 X-626	X-761-0052-JB R0	On east side of X-326, delease back to the point where the four discharge lines from the X-326 building join the external Sanitary Sewer Header. On south side of X-326, delease line servicing both X-326 south and X-626 back to Manhole B-8	

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Deleas	Comments
Electrical X-215A	X-326	X-761-0101-JB R0 X-761-0105-JB R0 X-761-0106-JB R0	Deleas back to the 13.8 kV Primary Disconnect Switches located inside each of the Auxiliary and Process Substations inside the X-326 Building.	The Transformer Jurisdictional Boundary is different from the intended Isolation Point. Eventual isolation will be in the X-530 Switchyard. Current Jurisdictional Boundaries are set in the Process Buildings for personnel safety and LOTO concerns. Once air-gapped, Jurisdictional Boundary for the cables will be the point of entry into the leased tunnels/ductbanks.
	X-626	X-761-0101-JB R0 X-761-0112-JB R0	Deleas back to the 13.8 kV Primary Disconnect Switches at the X-626.	13.8 kV Power to X-751 Mobile Equipment Garage (DOE facility) supplied from X-626 13.8 kV Feed. The Transformer Jurisdictional Boundary is different from the intended Isolation Point. Eventual isolation will be in the X-530 Switchyard. Current Jurisdictional Boundaries are set in the Process Buildings for personnel safety and LOTO concerns. Once air-gapped, Jurisdictional Boundary for the cables will be the point of entry into the leased tunnels/ductbanks.

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
DC Power (Battery Rooms, switchgear, alarms/lights, etc.) (No Fac. No.)	X-326	X-761-0104-JB R0	Release DC Power in its entirety except for the following: <ul style="list-style-type: none"> • For the X-530 Power System Protection Improvement (PSPI) release up to the isolation fuses in the X-530. • For the X-300 DC Controls, release up to the disconnect panel in the X-300 basement. 	
	X-626	N/A	Release in its entirety.	
Cathodic Protection X-240A	X-326	N/A	Release in its entirety including the portions that protect the leased underground utility lines.	Shared site required for disablement
	X-626			
Recirculating Cooling Water (RCW) X-230G	X-326	X-761-0050-JB R0	Release in its entirety, except for valved line to X-600; released this unused line at the isolation valve on the Supply Header on the southeast side of X-326.	Requires completion of modifications for X-300/X-710 Cooling, and X-6000 Alternate Blowdown.
	X-626	X-761-0050-JB R0	Release in its entirety to the makeup water valve	Requires completion of modifications for X-6000 Alternate Blowdown.
Steam X-232D	X-326	X-761-0006-JB R0	On south side, release back to the first isolation valve inside the X-326 SE corner, Valve MS-326, and the valve inside the X-326 south side that supplies X-626.	
	X-626			
Condensate X-232D	X-326	X-761-0008-JB R0	On south side, release back to just west of the main Condensate Drain for X-600.	
	X-626			

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
High Pressure Fire Water (HPFW) X-230H	X-326	X-761-0001-JB R0	Release back to PIVs exterior to building	Release of this system will require NRC concurrence. Note: this system provides coverage for the leased ACR basements.
	X-626	X-761-0001-JB R0	Release back to PIVs exterior to building: Valves 745 for the X-626 Pumphouse, and Valves 745A and 719A for the Cooling Tower	
Fire Water Flow Alarms X-220H	X-326 X-626	X-761-0003-JB R0	Release at the PAX Cabinet terminal blocks located in the ACR-5 & ACR-6 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Requires completion of modifications for separation of critical systems from leased and released facilities.
Fire Water Supervisory (Tamper Alarms) X-220H	X-326 X-626	X-761-0003-JB R0	Release at the PAX Cabinet terminal blocks located in the ACR-5 & ACR-6 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Requires completion of modifications for separation of critical systems from leased and released facilities. Release of this system will require NRC Concurrence.
Pull Box Alarms X-220H	X-326 X-626	X-761-0002-JB R0	Release at the terminal blocks in the Fire Alarm Pole Protection Cabinet (FAPPC) located west of the X-300. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Requires completion of modifications for separation of critical systems from leased and released facilities.
Building Evacuation Alarms (Push Buttons) (No Fac. No)	X-326 X-626	N/A	Release in its entirety	Buttons are in ACRs

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Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Firewater Pump Controls and Alarms X-230H	X-326 & X-626	X-761-0003-JB R0	Release up to where cables enter the ACR basement cable trays. After the modification, cables will be air-gapped.	Requires completion of modification for Controls from X-6644 to X-300 that currently passes through X-626 and X-326 to be rerouted around these facilities.
CAAS & Evacuation Alarms (Includes abandoned-in-place Gamma Radiation Detection System/Argon Gamma Graphs) X-220J	X-326	X-761-0003-JB R0	Release at the terminal blocks in the three Radiation Alarm System (RAS; also known as CAAS) Terminal Cabinets located in the ACR-4, ACR-5 and ACR-6 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Release of this system will require NRC concurrence. X-326 CAAS coverage includes X-111A and X-111B slaved facilities and provides coverage for the leased ACR basements and tunnel slaved areas. Additional coordination may be required to ensure configuration management compliance for the USEC Emergency Plan, USEC TSR, and DOE TSR is maintained.
Building Paging System (No Fac. No.)	X-326	N/A	Release in its entirety	
Gas Release Alarms (No Fac. No.)	X-326	N/A	Release in its entirety	
Security Alarms X-220N	X-326 X-111A X-111B	X-761-0003-JB R0	Release in its entirety up to where security cables enter the ACR basement cable trays	
DYMCAS (Dynamic Material Control and Accountability System) (No Fac. No.)	X-326	X-761-0003-JB R0	Release at the DYMCAS Terminal Cabinet terminal blocks located in the ACR-4, ACR-5 and ACR-6 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
PBX phone (Non-Secure Plant Phone) X-220D-1	X-326 X-626	X-761-0003-JB R0	Release at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-4, ACR-5 and ACR-6 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Telephone service and phones are owned by Verizon
PAX phone (Secure Plant Phone) X-220D-2	X-326 X-626	X-761-0003-JB R0	Release at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-4, ACR-5 and ACR-6 Basement. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Telephone service and phones are owned by Verizon
Red Phone (Emergency Plant Phone) X-220D-3	X-326 X-626	X-761-0003-JB R0	Release at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-4, ACR-5 and ACR-6 Basement. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Telephone service and phones are owned by Verizon
Public Address System X-220E	X-326 X-626	X-761-0003-JB R0	Release at the PA Terminal Cabinets located in the ACR-4, ACR-5 and ACR-6 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	
Dry Air X-232B	X-326 X-626	X-761-0007-JB R0	Release back to first isolation valves interior to building (DA8 and 2" valve south of DA8) on 2" line supplying X-600	Requires completion of modification for DAP relocation including X-326 nitrogen isolation valve. DOE System to be maintained for USEC equipment removal
Nitrogen X-232A	X-326	X-761-0004-JB R0	Release back to valve to be installed between south header and SE corner of X-326.	DOE System to be maintained for USEC equipment removal.

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Switchgear Supervisory Control and Data Acquisition (SCADA) X-220S	X-326 X-626	X-761-0003-JB R0	Release in its entirety up to where the cables enter the ACR-4, ACR-5 and ACR-6 basement cable trays.	
Fire Extinguishers (No Fac. No.)	X-326 X-626	N/A	Release in its entirety	
HVAC systems (No Fac. No.)	X-326	N/A	Release in its entirety	
Emergency Generator(s) (No Fac. No.)	X-326	X-761-0103-JB R0	Release in its entirety including the underground and aboveground diesel fuel storage tanks. Power cable jurisdictional boundary for the generator selector panel to the X-300 will be at the air gap in X-300 at the three-way transfer switch.	BUSTR Permits transfer is required in conjunction with this interface
Fluorine X-232F	X-326	X-761-0005-JB R0	Release entire system except for lines feeding X-700 and X-705; boundary at valve 705FF08.	Lines to X-710 and X-760/770 are air gapped; research X-326 piping to degrader and other component.
Freon X-232E	X-326	N/A	Release in its entirety the Freon piping throughout the process buildings and the interconnecting Freon headers	
CA (No Fac. No.)	X-326	N/A	Release in its entirety	
Facility Temperature Monitoring (Cascade Automatic Data Processing: CADP) X-220K	X-326 X-626	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
Seismic Monitors (No Fac. No.)	X-326	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR-5 basement cable trays	
Cell Monitoring and Controls (No Fac. No.)	X-326	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Deleaze	Comments
Cell Support Equipment Monitoring and Controls (No Fac. No.)	X-326	X-761-0003-JB R0	Deleaze in its entirety up to where cables enter the ACR basement cable trays	
Dry Air Plant Monitoring and Controls (No Fac. No.)	X-326	X-761-0003-JB R0	Deleaze in its entirety up to where cables enter the ACR basement cable trays	
Product Withdrawal Stations (PW) Monitoring and Controls (No Fac. No.)	X-326	X-761-0003-JB R0	Deleaze in its entirety up to where cables enter the ACR basement cable trays	
Extended Range Product Stations (ERP) Monitoring and Controls (No Fac. No.)	X-326	X-761-0003-JB R0	Deleaze in its entirety up to where cables enter the ACR basement cable trays	
RCW Pumps Monitoring and Controls (No Fac. No.)	X-626	X-761-0003-JB R0	Deleaze in its entirety up to where cables enter the ACR basement cable trays	
Emergency Egress Lighting (OSHA) (No Fac. No.)	X-326 X-626	N/A	Deleaze in its entirety	
Floor Lighting (OSHA) (No Fac. No.)	X-326 X-626	N/A	Deleaze in its entirety	
Sulfuric Acid System (No Fac. No.)	X-626	N/A	Deleaze in its entirety	
RCW Chemical System (No Fac. No.)	X-626	N/A	Deleaze in its entirety	
Computer Communications System (Fiber) (No Fac. No.)	X-326	X-761-0102-JB R0	Deleaze at the output wire connections to the optical Fiber Switch in the ACR basements.	

Attachment 2

Plant Systems Jurisdictional Boundaries

Facilities X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Process Gas Tie-Lines between X-326 and X-330 X-232C-2	X-232C-2	N/A	Release in its entirety	Includes steam heat All interfaces with the X-232C-2 originate in buildings being de-leased. Therefore no interfaces for those Tie Lines will be detailed in this table.
Process Gas Tie-Line between X-326 and X-770 X-232C-4	X-232C-4	N/A	Release in its entirety	Abandoned in place during X-770 D&D All interfaces with the X-232C-4 originate in buildings being de-leased. Therefore no interfaces for those Tie Lines will be detailed in this table.

System Turnover Status

Facilities: X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Current Status	Proposed Turnover Status
Elevators (3)	X-326 & X-626	2 (1), 1 (4) N/A	2 (1), 1 (4) N/A
Cranes (21)	X-326 & X-626	19 (1&2), 1 (3) 1 (3)	19 (1&2), 1 (3) 1 (3)
Eye Wash/Safety Shower	X-326 & X-626	1	1
Ventilation System	X-326 & X-626	(1&3)	(1&3)
Sanitary/Fire Water	X-326 & X-626	1	1
Storm Drains	X-326 & X-626	1	1
Sewage	X-326 & X-626	1	1
Electrical	X-326 & X-626	1	1
DC Power (Battery Rooms, switchgear, alarms/lights, etc.)	X-326 & X-626	1	1
Cathodic Protection	X-326 & X-626	1	1
Recirculating Cooling Water (RCW)	X-326 & X-626	1	1
Steam	X-326 & X-626	(1&4)	(1&4)
Condensate	X-326 & X-626	(1&4)	(1&4)
High Pressure Fire Water (HPFW)	X-326 & X-626	1	1
Fire Water Flow Alarms	X-326 & X-626	1	1
Fire Water Supervisory (Tamper Alarms)	X-326 & X-626	1	1
Pull Box Alarms	X-326 & X-626	1	1
Building Evacuation Alarms (Push Buttons)	X-326 & X-626	1	1
Firewater Pump Controls and Alarms	X-626	1	5
CAAS & Evacuation Alarms	X-326 X-111A	1	1
Building Paging System	X-326	1	1
Gas Release Alarms	X-326	1	1
Security Alarms	X-326 X-111A	4	4

Status Codes:

- 1 – **Functional/Operating** (the system is or will be operating)
- 2 – **Functional/Shut Down** (the system is not operating but is capable of being started)
- 3 – **Non-Functional/Repairable** (system capable of operating w/a reasonable amount of maint.)
- 4 – **Non-Functional/Abandoned** (significant amount of repair required to make it functional)
- 5 – **Isolated/Air-Gapped** (permanently separated from service)

System Turnover Status

Facilities: X-326, X-626-1, X-626-2, X-232C-2, X-232C-4, X-111A and X-111B

Utility or Plant System	Area	Current Status	Proposed Turnover Status
	X-111B		
DYMCAS (Dynamic Material Control and Accountability System)	X-326	1	1
PBX phone (Non-Secure Plant Phone)	X-326 & X-626	1	1
PAX phone (Secure Plant Phone)	X-326 & X-626	1	1
Red Phone (Emergency Plant Phone)	X-326 & X-626	1	1
Public Address system	X-326 & X-626	1	1
Dry Air	X-326 & X-626	1	1
Nitrogen	X-326	1	1
Switchgear Supervisory (SCADA)	X-326 & X-626	1	1
Fire Extinguishers	X-326 & X-626	1	1
HVAC systems	X-326	1	1
Emergency Generator(s)	X-326	1	1
Fluorine	X-326	2	2
Freon	X-326	1	1
CA	X-326	1	1
Facility Temperature Monitoring (CADP)	X-326	2	2
Seismic Monitors	X-326	4	4
Cell Monitoring and Controls	X-326	(1&2)	(1&2)
Cell Support Equipment Monitoring and Controls	X-326	(1&2)	(1&2)
Dry Air Plant Monitoring and Controls	X-326	1	1
Withdrawal Station (ERP) Monitoring and Controls	X-326	2	2
Withdrawal Station (PW) Monitoring and Controls	X-326	1	1
RCW Pumps Monitoring and Controls	X-626	1	1
Computer Communications System	X-326	1	1
Sulfuric Acid System	X-626	1	1
RCW Chemical System	X-626	1	1
Emergency Egress Lighting (OSHA)	X-326 & X-626	1	1
Floor lighting (OSHA)	X-326 & X-626	1	1

Status Codes:

- 1 – **Functional/Operating** (the system is or will be operating)
- 2 – **Functional/Shut Down** (the system is not operating but is capable of being started)
- 3 – **Non-Functional/Repairable** (system capable of operating w/a reasonable amount of maint.)
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