

**Binding Facility Agreement  
for the Return of the  
X-330, X-232C-1, X-232C-3, and X-630-1, X-630-2A, X-630-2B, X-630-3 Facilities,  
and the X-230G System  
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-330 Process Building, the X-232C-1 Tie Line, the X-232C-3 Tie Line, the X-630-1 Recirculating Water Pump House, the X-630-2A Cooling Tower, the X-630-2B Cooling Tower, the X-630-3 Acid Handling Station, and the X-230G Recirculating Cooling Water Distribution System 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**

<b>PROJECT</b>	<b>DESCRIPTION</b>
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 deleased 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**

<b>PROJECT</b>	<b>DESCRIPTION</b>
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 de-lease and return to DOE the following facilities:

- the X-330 Process Building
- the X-232C-1 (Tie Line No. 1 X-342 to X-330),
- the X-232C-3 (Tie Line No. 3 X-330 to X-333),
- the X-630-1 Recirculating Water Pump House,
- the X-630-2A Cooling Tower,
- the X-630-2B Cooling Tower,
- the X-630-3 Acid Handling Station, and
- the X-230G Recirculating Cooling Water Distribution System (Except Blow Down Line).

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 de-lease 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 Process<sup>1</sup> until such time as the mutually agreed upon Buffer Zones are de-leased.

USEC and DOE agree to the following conditions:

1. USEC has identified in Attachment 1 those parts, equipment, systems, floor space, etc. within the X-330 Process Building that USEC will need to utilize in

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

removing parts or equipment from the X-333 and/or X-343 facilities. These are collectively referred to hereinafter as "Attachment 1 Items". Utilization of Attachment 1 Items by USEC shall cease upon completion of parts and equipment removal in the X-333 and X-343 facilities, not to exceed December 31, 2013, unless otherwise agreed to by DOE and USEC. DOE will ensure that Attachment 1 Items will remain in service during the term of this Agreement.

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 prior to 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 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 in accordance with the process outlined in section 8 below, or request removal by DOE, at USEC 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. Any incremental costs associated with the storage and/or relocation of additional Attachment 1 Items shall be borne by USEC. 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 additional Attachment 1 Items, whichever occurs first. USEC shall be responsible for the cost of any maintenance USEC determines is required to remove additional Attachment 1 items, above and beyond what DOE would be requiring for those items. Removal of additional Attachment 1 Items shall be completed no later than January 31, 2012.

Additional 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 Nuclear Regulatory Commission (NRC) authority.
3. USEC and DOE have identified in Attachment 2 all systems and utilities that enter the facility 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 as soon as practicable, but no later than March 31, 2011, unless otherwise agreed to by DOE and USEC.

6. 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 subject Additional Attachment 1 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. Should Additional Attachment 1 Items interfere with DOE D&D activities, DOE will provide USEC with the opportunity to either remove the items or select a like item within the facility that does not interfere with D&D activities. 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 and DOE agree that USEC will perform activities associated with Additional Attachment 1 Items using one of the following methodologies, at USEC's discretion and at USEC cost: (1) Enter into an agreement whereby USEC will perform these activities regulated under DOE's Basis for Interim Operations (BIO); or (2) Lease the items at turnover, with DOE leasing those items back to USEC when desired by USEC and regulating the activities involving those items under the ROA. USEC shall be responsible for the cost of any maintenance it determines is required to remove Additional Attachment 1 items, above and beyond what DOE would be requiring for those items (for example, crane PM's).

Additionally, USEC will pay a pro rata share of surveillance and maintenance (S&M) cost while USEC performs activities associated with Additional 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 should need to remove 2 compressors from one cell in X-330, 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-330 building is \$ “A”;
- There are 110 cells in the X-330;
- The total annual cell hours in the X-330 =  $80 \times 365 \times 24 = 963,600$  cell hours per year;
- The average S&M cost per cell hour =  $\$ \text{“A”} / 963,600 = \$ \text{“B”}$  per cell hour;

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

8. 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 Additional 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 released 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 8 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.
9. If Additional 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 Nuclear Regulatory Commission (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.

10. 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.
11. 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 at radiological boundaries, 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 deactivation 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.
12. 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.
13. 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 *Supplemental Agreement No.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) for parts and equipment relocated to areas leased under the GCEP Lease.

The Effective Date of this Agreement shall be the date the last Party signs it. USEC will return the X-330, X-232C-1, X-232C-3, and X-630 Facilities, and the X-230G System 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 Murphy*  
William Murphy

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-330 Equipment/Systems Needed by USEC**

No.	Parts/System/Equipment/Area or Capability	USEC Need
1	Use of electrical process substations	Process substations 14143 and 14244 Feeders which provide power to X-333 (for PGDP parts removal in X-333).

## Attachment 2

### Plant Systems Jurisdictional Boundaries

Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Sanitary/Fire Water X-230A	X-330	X-761-0053-JB R0	Release back to the six Isolation Valves at Sanitary Water entrance piping exterior to the X-330 (Valves 15-1, 15-2B, P-2N, P-5N, P-9N, P-11N)	Requires completion of modifications for DAP and Nitrogen plant Relocation.
	X-630	X-761-0053-JB R0	Release back to first isolation valves exterior to the X-630, Valves WO-1 & 339	
Storm Drains X-230C	X-330	X-761-0051-JB R0	The Storm Drain Header that includes Catch Basin D6 will remain leased by USEC; although any laterals from the building downspouts will be released up to the connections with the header. For the header on the northeast side, release in its entirety up to Catch Basin C-1.	
	X-630	X-761-0051-JB R0	Release back to Catch Basin M-1, and on south side of X-630, release back to Catch Basin B-6 and unnumbered Catch Basin at N11745, E6638	
Sewage X-230B	X-330	X-761-0052-JB R0	Release back to the point where the five discharge lines from the X-330 building join the external Sanitary Sewer Header	X-614A Lift Station on the south side of the buffer zone remains leased
	X-630	X-761-0052-JB R0	Release back to the point where the discharge line from the X-630 building joins the external Sanitary Sewer Header at Manhole D-3	

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Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Electrical X-215A	X-330	X-761-0101-JB R0 X-761-0107-JB R0 X-761-0108-JB R0	<p>Delease back to the 13.8 kV Primary Disconnect Switches located inside each of the Auxiliary and Process Substations inside the X-330 Building.</p> <p>The two 13.8 kV Power Feeds connected to process substations 141 and 142 that run east through the X-330 and provide power to the X-333 will remain leased to USEC, although they are routed in DOE space.</p>	<p>Requires completion of modifications for 13.8kV overhead power line relocation and backup power to the X-614A Sewage Lift Station.</p> <p>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.</p>
	X-630	X-761-0101-JB R0 X-761-0113-JB R0	Delease back to the 13.8 kV Primary Disconnect Switches at the X-630.	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.

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### Plant Systems Jurisdictional Boundaries

Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
DC Power (Battery Rooms, switchgear, alarms/lights, etc.) (No Fac. No.)	X-330	X-761-0104-JB R0	Release DC Power in its entirety except for the following: <ul style="list-style-type: none"> <li>• For the X-530 Power System Protection Improvement (PSPI) release up to the isolation fuses in the X-530.</li> <li>• For the X-300 DC Controls, release up to the disconnect panel in the X-300 basement.</li> </ul>	
	X-630	N/A	Release in its entirety.	
Cathodic Protection X-240A	X-330 X-630	N/A	Release in its entirety including the portions that protect the leased underground utility lines.	Shared site required for disablement
Recirculating Cooling Water (RCW) X-230G	X-330 X-630 X-230G	X-761-0050-JB R0	Release in its entirety, out to isolation valves for X-530 (inside the X-530 building, so not shown on drawing), the makeup water isolation valve for the X-630 at Pike Ave and 20 <sup>th</sup> St., and to the blow-down line tie-in point with the new X-6000 blow-down line.	Requires completion of modifications for X-6000 Alternate Blowdown, DAP relocation and X-530 cooling. Alternate isolation methods may be required for leaking water supply valves.
Steam X-232D	X-330	X-761-0006-JB R0	On the east side, release steam header back to the Steam Valves M705 and LW705.	Requires completion of modifications for X-530 and X-640-2 heating and Nitrogen plant relocation.
Condensate X-232D	X-330	X-761-0008-JB R0	On the east side, release Condensate header back to just west of the tee where the condensate return from X-705 joins the outside header.	
High Pressure Fire Water (HPFW) X-230H	X-330 X-630	X-761-0001-JB R0	Release back to PIVs exterior to building. For X-630, release back to PIVs 653A and 653B.	Release of this system will require NRC concurrence. Note: this system provides coverage for the leased ACR basements.

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### Plant Systems Jurisdictional Boundaries

Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Fire Water Flow and Dry System Alarms (Edwards System) X-220H	X-330 X-630	X-761-0003-JB R0	Release at the output terminal strip on the Edwards Patch Panel in the ACR-2 basement.	Requires completion of modifications for separation of critical systems from leased and released facilities.
Fire Water Supervisory (Tamper Alarms) X-220H	X-330 X-630	X-761-0003-JB R0	Release at the PAX Cabinet terminal blocks located in the ACR-2 Basement. 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-330 X-630	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-330 X-630	N/A	Release in its entirety	Buttons are in ACRs
CAAS & Evacuation Alarms (Includes abandoned-in-place Gamma Radiation Detection System/Argon Gamma Graphs) X-220J	X-330	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-2 and ACR-3 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. Note that X-614A requires CAAS audibility from the X-330 CAAS, and X-330 CAAS 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.

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Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Building Paging System (No Fac. No.)	X-330	N/A	Release in its entirety	
Gas Release Alarms (Tails) (No Fac. No.)	X-330	N/A	Release in its entirety	
DYMCAS (Dynamic Material Control and Accountability System) (No Fac. No.)	X-330	X-761-0003-JB R0	Release at the DYMCAS Terminal Cabinet terminal blocks located in the ACR-2 Basement. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	
PBX phone (Non-Secure Plant Phone) X-220D-1	X-330 X-630	X-761-0003-JB R0	Release at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-2 and ACR-3 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-330 X-630	X-761-0003-JB R0	Release at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-2 and ACR-3 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
Red Phone (Emergency Plant Phone) X-220D-3	X-330 X-630	X-761-0003-JB R0	Release at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-2 and ACR-3 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

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Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Public Address System X-220E	X-330 X-630	X-761-0003-JB R0	Release at the PA Terminal Cabinets located in the ACR-2 and ACR-3 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-330 X-630	X-761-0007-JB R0	Release back to first exterior isolation valve DA-3 and at the future air gap east of X-330 for the line feeding X-640-2 and at the future air gap west of X-330 for the line feeding X-530.	Requires completion of modification for DAP relocation. DOE System to be maintained for USEC equipment removal
Nitrogen X-232A	X-330 X-630	X-761-0004-JB R0	Release back to 6" Header valve between X-333 and X-705. For dedicated N2 line to X-700, release back to first valve outside X-700 bldg.	Requires completion of modifications for Nitrogen Plant relocation. DOE System to be maintained for USEC equipment removal
Switchgear Supervisory Control and Data Acquisition (SCADA) X-220S	X-330 X-630	X-761-0003-JB R0	Release at the SCADA Relay Cabinet located in the ACR-2 and ACR-3 Basements. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	
Fire Extinguishers (No Fac. No.)	X-330 X-630	N/A	Release in its entirety	
HVAC systems (No Fac. No.)	X-330 X-630	N/A	Release in its entirety	
Emergency Generator(s) (No Fac. No.)	X-330 X-630	N/A	System to be released in its entirety including the underground and aboveground diesel fuel storage tanks.	
Fluorine X-232F	X-330	X-761-0005-JB R0	Release entire system except for lines feeding X-700 and X-705; boundary at valve 705FF08.	
Freon X-232E	X-330	N/A	Release in its entirety the Freon piping throughout the process buildings and the interconnecting Freon headers	

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Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
CA (No Fac. No.)	X-330	N/A	Release in its entirety	
Facility Temperature Monitoring (Cascade Automatic Data Processing: CADP) X-220K	X-330 X-630	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
Cell Monitoring and Controls (No Fac. No.)	X-330	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
Cell Support Equipment Monitoring and Controls (No Fac. No.)	X-330	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
Dry Air Plant Monitoring and Controls (No Fac. No.)	X-330	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
Withdrawal Station (Tails) Monitoring and Controls (No Fac. No.)	X-330	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
RCW Pumps Monitoring and Controls (No Fac. No.)	X-630	X-761-0003-JB R0	Release in its entirety up to where cables enter the ACR basement cable trays	
Emergency Egress Lighting (OSHA) (No Fac. No.)	X-330 X-630	N/A	Release in its entirety	
Floor Lighting (OSHA) (No Fac. No.)	X-330 X-630	N/A	Release in its entirety	
Sulfuric Acid System (No Fac. No.)	X-630	N/A	Release in its entirety	
RCW Chemical System (No Fac. No.)	X-630	N/A	Release in its entirety	

## Attachment 2

### Plant Systems Jurisdictional Boundaries

Facilities X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Release	Comments
Computer Communications System (Fiber) (No Fac. No.)	X-330	X-761-0102-JB R0	Release at the output wire connections to the optical Fiber Switch in the ACR basements.	
Process Tie-Line between X-330 and X-342 X-232C-1	X-232C-1	N/A	Release in its entirety	All interfaces with the X-232C-1 originate within buildings being de-leased. Therefore no interfaces for those Tie Lines will be detailed in this table.
Process Tie-Lines between X-330 and X-333 X-232C-3	X-232C-3	N/A	Release in its entirety	All interfaces with the X-232C-3 originate within buildings being de-leased. Therefore no interfaces for those Tie Lines will be detailed in this table.
X-630 Monitoring Station Number 5 (No Fac. No.)	X-630	N/A	Release in its entirety	No longer needed for USEC Operations.

## System Turnover Status

**Facilities: X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G**

Utility or Plant System	Area	Current Status	Proposed Turnover Status
Elevators (3)	X-330 & X-630	(1&3) N/A	(1&3) N/A
Cranes (23)	X-330 & X-630	22 (1&3) 1 (3)	22 (1&3) 1 (3)
Eye Wash/Safety Shower	X-330 & X-630	1	1
Ventilation System	X-330 & X-630	(1&4)	(1&4)
Sanitary/Fire Water	X-330 & X-630	1	1
Storm Drains	X-330 & X-630	1	1
Sewage	X-330 & X-630	1	1
Electrical	X-330 & X-630	1	1
DC Power (Battery Rooms, switchgear, alarms/lights, etc.)	X-330 & X-630	1	1
Cathodic Protection	X-330 & X-630	1	1
Recirculating Cooling Water (RCW)	X-330 & X-630	1	5
Steam	X-330	1	1
Condensate	X-330	1	1
High Pressure Fire Water (HPFW)	X-330	1	1
Fire Water Flow and Dry System Alarms (Edwards System)	X-330 & X-630	1	1
Fire Water Supervisory (Tamper Alarms)	X-330 & X-630	1	1
Pull Box Alarms	X-330 & X-630	1	1
Building Evacuation Alarms (Push Buttons)	X-330 & X-630	1	1
CAAS & Evacuation Alarms	X-330	1	1
Building Paging System	X-330	1	1
Gas Release Alarms	X-330	1	1
DYMCAS (Dynamic Material Control and Accountability System)	X-330	1	1
PBX phone (Non-Secure Plant Phone)	X-330 & X-630	1	1
PAX phone (Secure Plant Phone)	X-330 & X-630	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.)
- 4 – Non-Functional/Abandoned** (significant amount of repair required to make it functional)
- 5 – Isolated/Air-Gapped** (permanently separated from service)

5/24/2010

## System Turnover Status

**Facilities: X-330, X-630-1, X-630-2A, X-630-2B, X-630-3, X-232C-1, X-232C-3, and X-230G**

Utility or Plant System	Area	Current Status	Proposed Turnover Status
Red Phone (Emergency Plant Phone)	X-330 & X-630	1	1
Public Address system	X-330 & X-630	1	1
Dry Air	X-330 & X-630	1	1
Nitrogen	X-330 & X-630	1	1
Switchgear Supervisory (SCADA)	X-330 & X-630	1	1
Fire Extinguishers	X-330 & X-630	1	1
HVAC systems	X-330 & X-630	1	1
Emergency Generator(s)	X-330	(1&5)	(1&5)
Fluorine	X-330	1	2
Freon	X-330	1	1
CA	X-330	1	1
Facility Temperature Monitoring (CADP)	X-330	2	2
Cell Monitoring and Controls	X-330	2	2
Cell Support Equipment Monitoring and Controls	X-330	2	2
Dry Air Plant Monitoring and Controls	X-330	1	1
Withdrawal Stations (Tails) Monitoring and Controls	X-330	2	2
RCW Pumps Monitoring and Controls	X-630	1	2
Computer Communications System	X-330	1	1
Sulfuric Acid System	X-630	1	1
RCW Chemical System	X-630	1	1
Emergency Egress Lighting (OSHA)	X-330 & X-630	1	1
Floor lighting (OSHA)	X-330 & X-630	1	1

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