Binding Facility Agreement
for the Return of the
X-333, X-343, and X-232C-5 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-333 Process Building, the X-343 Feed, Vaporization, and Sampling Building, and the X-232C-5 Tie Line 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 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

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 delease and return to DOE the following facilities:

- the X-333 Process Building,
- the X-343 Feed, Vaporization, and Sampling Building, and
- the X-232C-5 (Tie Line No. 5 X-343 to X-333).

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 delease 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[1] until such time as the mutually agreed upon Buffer Zones are deleased.

USEC and DOE agree to the following stipulations:

1. USEC has identified in Attachment 1: a) those parts or equipment it will need to remove in support of uranium enrichment activities at either the American Centrifuge Plant (ACP) or the Paducah Gaseous Diffusion Plant (PGDP), and b) those parts, equipment, systems, floor space, etc. within the X-333 Process Building that USEC will need to utilize in removing such parts or equipment[2]. These are collectively referred to hereinafter as "Attachment 1 Items". Further, USEC has identified in Attachment 2 some additional equipment desired by PGDP (hereinafter "Attachment 2 Items"). USEC and DOE agree that USEC will perform activities associated with Attachment 1 Items and Attachment 2 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 and Attachment 2 Items back to USEC in accordance with 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, but

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

[2] NOTE: 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 delease. 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.

no longer than December 31, 2013 unless DOE agrees otherwise. Any incremental costs associated with the storage and/or relocation of Attachment 1 Items and Attachment 2 Items shall be borne by USEC. If utilized, the duration of use of the ROA shall not extend beyond December 31, 2013, or within 30 days after USEC has completed the removal of its desired Attachment 1 Items and Attachment 2 Items, whichever occurs first. USEC shall be responsible for the cost of any maintenance USEC determines is required to remove Attachment 1 Items and Attachment 2 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-333, 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-333 building is $ "A";
- There are 80 cells in the X-333;
- The total annual cell hours in the X-333 = 80 x 365 x 24 = 700,800 cell hours per year;
- The average S&M cost per cell hour = $ "A" / 700,800 = $ "B" per cell hour;

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

Except for Attachment 1 Items and Attachment 2 Items, and as described below, USEC will make a reasonable effort to remove any parts or equipment required for use at PGDP or ACP prior to the date of delease.

USEC will remove Items 1 and 2 on Attachment 1, and Attachment 2 Items as soon as practical, but no later than December 31, 2013, unless otherwise agreed to by DOE and USEC. USEC access to and use of Attachment 1, Items 3-10 will cease upon completion of removal of Attachment 1 Items and Attachment 2 Items

in X-333. USEC will remove Attachment 1, Items 11, 12, and 13 within 90 days following termination of CAAS requirements in X-343 by DOE (USEC will not need access to Attachment 1, Items 3-10 in order to remove Items 11, 12, and 13). USEC and DOE activities under this Agreement shall be coordinated through the Shared Site Process, as necessary.

After the date of delease, if additional USEC-desired equipment is still available, USEC may remove the equipment at its cost and under the same terms as described above for Attachment 1 Items and Attachment 2 Items, under the terms of the BIO or the ROA, or request removal by DOE, as mutually agreed to by DOE and USEC. DOE shall approve such removal if there is no material interference with DOE's mission and the request is otherwise reasonable.

USEC may delete items from Attachment 2 with 30 days notice to DOE. Attachment 1 Items and Attachment 2 Items will be tagged or the items or areas in which the items are located will be otherwise marked by USEC before delease of the facilities.

With regard to removal of Attachment 1, Item 1 Parts and any other equipment removed from X-333 or X-343, 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 or Attachment 2 Items intended for use at PGDP, USEC and DOE agree that those transfers will be documented in accordance with the Lease.

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 3 all systems and utilities that enter the facilities and the associated jurisdictional boundary agreed to by the parties. Attachment 3 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 3. 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 3, 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 4 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 delease, DOE and USEC may mutually agree to amend Attachment 1 and Attachment 2 to include additional parts and equipment for removal, and to support removal. USEC shall complete removal of Additional Attachment 1 and Attachment 2 Items no later than December 31, 2011.

6. So long as USEC has a right herein to Attachment 1 Items and Attachment 2 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 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 and Attachment 2 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 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. Should one of the Attachment 2 Items interfere with DOE D&D activities, DOE will provide USEC with the opportunity to either remove the item 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 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 or Attachment 2 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 or Attachment 2 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. 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 delease 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.

10. 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.

11. 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.

12. 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.

The Effective Date of this Agreement shall be the date the last Party signs it. USEC will return the X-333, X-343 and X-232C-5 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: R Van Namen
Robert Van Namen

Date: 27 July, 2010

AND

DEPARTMENT OF ENERGY (EM)

By: W. E Murphie
William Murphie

Date: 7/28/10

AND

DEPARTMENT OF ENERGY (NE)

By: R. J. Br
Robert J. Brown, Lease Administrator

Date: 7/28/10

Attachment 1

X-333/X-343 Equipment/Systems Needed by USEC

No.	Parts/System/Equipment/Area or Capability	USEC Need
1	12 Freezer-Sublimers for ACP (To be removed from facility)	Until alternate leased storage space is identified, or until ACP can possess these contaminated items, they need to be stored in Units 1 and/or 2.
2	Process equipment in Units 1 and 2 for transfer to PGDP (To be removed from facility)	Specific items within Units 1 and 2 will be determined by PGDP during the term of the Binding Agreement. Equipment not removed by USEC will remain for DOE.
3	Use of Units 1 and 2 and Footprint Surrounding Units 1 and 2 on the Operating and Cell Floors	To support PGDP parts removal. Includes controls, ventilation supply fans, associated piping, instrumentation, safety systems,
4	Use of Cranes in Bay No's 1 through 6, with associated support equipment.	To support PGDP parts removal.
5	Use of ACR-1	To support PGDP parts removal. (minimum of valve control panel and alarm panel).
6	Use of Maintenance offices, locker rooms, lunchroom, shops, and storage cages	To support PGDP parts removal and ACP parts removal in X-333 and X-326.
7	Access to East Track Alley	To support PGDP parts removal.
8	Access to and use of track alley hatch openings	Perimeter aisle way on East end of Cell Floor (south half); hatch openings. To support PGDP parts removal.

Attachment 1

X-333/X-343 Equipment/Systems Needed by USEC

No.	Parts/System/Equipment/Area or Capability	USEC Need
9	Use of systems/utilities to support PGDP parts removal	PG evacuation piping headers, from Bay 6 service header to Units 1 and 2. Freon piping header, from station near ACR #1 to loading station; and all associated Freon pumps and tanks. Plant air piping header, from Bay 6 service header to Units 1 and 2. Building lighting, 480 volt auxiliary power and associated valve control centers, 120 volt electrical in Units 1 and 2. Sprinkler systems, sanitary fire hydrants, fire alarms, evacuation alarms for Units 1 and 2. CAAS, telephone systems, public address system. Dry air, nitrogen, fire extinguishers, facility temperature monitoring, emergency egress lighting for Units 1 and 2. Overhead Doors, Elevator, Stairwell and floor space at stairwell entrance (Col Mc13) near Unit 8. Alumina traps, Cold Recovery air jet, space recorders and 120V power to them, constant vent monitor.
10	Use of Cell Floor NDA Cage	Use of cage area with USEC equipment to support parts removal. USEC equipment will be removed at a later date.
11	X-343 Main Switchgear B (To be removed from facility)	For transfer to PGDP following termination of CAAS requirements.
12	X-343 D-416 Breakers from Main Switchgear A (To be removed from facility)	For transfer to PGDP following termination of CAAS requirements.
13	X-343 North Square D Control Center Buckets (To be removed from facility)	For transfer to PGDP following termination of CAAS requirements.

X-333 Miscellaneous Components for PGDP

Attachment 2

	Description	Qty
1	Valve, 24" G-17 Valve	1
2	VALVE, 24" GATE, PACKLESS, BELLOWS SEAL, TYPE G17, LIMITORQUE MOTOR OPERATED, ML BAYARD, REWORK AND INSPECT PER CP4-GS-VS4104, AQ ITEM, APP'D 7-22-98.	1
3	PGLD Bases	600
4	PGLD Heads	600
5	Controller/Unit, LIM-265 Taylor Model	1
6	Brake Drums	12
7	A/C Transformer Switchgear (all four compartments)	2
8	A/C Phenloic Door Handles and mechanisms.	100
9	A/C Motor Breaker, Male, Disconnect Plug-in Device	40
10	A/C Motor Breaker, Closing Device	40
11	50 Hp Motors and 30 Hp Motor	4
12	Auxilary Transformer, w/750/1000 kva, 13.8 kv/480v	1
13	Installed AC-92 Dual Speed compressors, coolers, motors, and speed increasers	3
14	PCB Transformer, Standard	1
15	PCB Transformer, Standard	1
16	PCB Transformer, GE Case II	1
17	PCB Transformer, GE Case II	1
18	PCB Transformer, GE Case II	1
19	PCB Transformer, Westinghouse Rebuilt, Case II	1
20	PCB Transformer, Westinghouse Rebuilt Case II	1
21	Westinghouse 950/135 DS Motor	3
22	Bus Bar in wooden crates	8
23	Coolant PIC's and stacks	60 & 60
24	Vibration Monitoring System Cabinets from Original Request ET-2006-68	2
25	Transmitters, Transaire (50 lb range)	8
26	SWITCH, PRESSURE, SINGLE POLE, DOUBLE THROW, PRESS. ACTUATED SWITCH, CONTACT RATINGS: 125 VAC, MAX. CONTINUOUS CURRENT: 10A, PRESS. CONN.: 1/8", ELEC. CONN.: 1/2", BARKSDALE MELETRON MODEL 420E-15 OR 420E, "NS" ITEM	30
27	R-114 Drain Valve, 2" Fulton Syphon, Subassembly Only	12
28	Freon Condenser, 8000 C-C Plus one Spare Head	1
29	Freon Condenser, 8000 C-C Plus one Spare Head	1
30	Freon Condenser, 8000 C-C Plus one Spare Head	1
31	A/C AM250 Process Breaker	8
32	GE Motor Breaker AM 150/250	15
33	GE Breaker Racking Motor	15
34	AC-92 Dual Speed compressor with cut-off bases	3
35	Transmitters, Taylor 0-2 PBM (3-18 output)	50
36	Transmitters, Taylor 0-5 PBM (3-18 output)	50
37	Transmitters, Taylor 0-2 DBM (3-18 output)	50
38	Transmitters, Taylor 0-5 DBM (3-18 output)	50
39	GE Trip/Close Switch	12
40	GE Brake Transformer	6
41	GE Racking Mechanism and Switch	4
42	A/C Trip/Close Switch	12
43	A/C DC Breaker - 20 amp	12
44	A/C Potential Transformer (PTs), 2-30702-17, 2400/277, Delta/Y, 10 VA	2
45	A/C Brake Transformer, HP-5, 3-48712-58	2
46	A/C Racking Mechanism and Switch	4
47	A/C CT, GE JOM-2, 100/5, Cat 752x20G12	12
48	A/C Breaker Bottle, 6 per set	20 sets
49	Square D Control Center, bucket, one breaker and reversing contactor	10 of each size
50	750 KVA Aux Sub, 34A1-A	1

X-333 Miscellaneous Components for PGDP

Attachment 2

	Description	Qty
51	Caterpillar #D397 Diesels (including Honeywell controllers)	3
52	Arrow Hart Contactor Compartment Bucket	15
53	Westinghouse Control Center Bucket, Contactor Sizes 1, 2 and 3; 6 of each size	18
54	Arrow Hart Contactor, with start/stop button on the door, Sizes 2 and 3; 6 of each size	12
55	Double Pancake Cooler stamped "BR-245"	1
56	Cooler, Chyrsler Corp., Single Pancake, ERD BD10-B146	1
57	VALVE, 42" GATE, G17, ROUND BOTTOM, DWG ML BAYARD DWG NO. 6470-6, REWORK IN-HOUSE AND INSPECT PER CP4-GS-VS4104, AQ ITEM.	1
58	1/2" SMD Valves	50
59	1" SMD Valves	25
60	1/2" Seal Exhaust air operated control valves	25
61	Process Transformer, AC	2
62	Ammeter Type: Telesis Laboratory Type 80-013, 0-300 Range	50
63	Ammeter Type: Telesis Laboratory Type 80-013, 0-600 Range	50
64	Datum Instrumentation	See Comments
65	Rotor and Shaft for Buffalo Forge Supply Fan, Size 11, Type LUD, Shop Order M-401	5
66	'000' Recycle Cooler	2
67	Spare Autoclaves in X-333 West Track Alley	3

Attachment 3
Plant Systems Jurisdictional Boundaries

Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Sanitary/Fire Water X-230A	X-333	X-761-0050-JB R0	Delease back to the two Isolation Valves at Sanitary Water header outside the X-333 (Valves P-10N and 18-2)	
	X-343	X-761-0050-JB R0	Delease back to the Isolation Valve at Sanitary Water header west of the railroad tracks, Valve D-2.	
Storm Drains X-230C	X-333	X-761-0051-JB R0	Delease back to the point where the discharge lines from the X-333 building join the external Storm Drain Header on the south side of the building. For the building east side, delease back to Manhole D-100. For the building west side, delease back to Catch Basin C-1. For the north side, delease in its entirety to the catch basins closest to the fence, L-20, L-2 and K-1. For the X-640-1 HPFW Surge Valve Discharge, the Jurisdictional Boundary is at Catch Basin L-93 on the northeast side of X-640-1.	
	X-343	X-761-0051-JB R0	Delease back to the ditch east of the X-343	
Sewage X-230B	X-333	X-761-0052-JB R0	Delease back to the point where the discharge lines from the X-333 building join the external Sanitary Sewer Header	
	X-343	X-761-0052-JB R0	Delease back to where the piping from X-343 enters the X-614P Lift Station.	X-614P Lift Station on the east side of the buffer zone remains leased

Attachment 3
Plant Systems Jurisdictional Boundaries
Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Electrical X-215A	X-333	X-761-0101-JB R0 X-761-0109-JB R0 X-761-0110-JB R0	Delease back to the 13.8 kV Primary Disconnect Switches located inside each of the Auxiliary Substations inside the X-333 Building. The two 13.8 kV Power Feeds providing power to all 16 auxiliary substations throughout the X-333 from the X-330 will remain leased to USEC, although they are routed in DOE space.	Requires completion of modifications for alternate power to the X-614P Sewage Lift Station. Process Substations are currently air-gapped. 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 X-330 leased tunnels/ductbanks.
	X-343	N/A	Delease in its entirety	
DC Power (Battery Rooms, switchgear, alarms/lights, etc.) (No Fac. No.)	X-333	X-761-0104-JB R0	Delease DC Power in its entirety except for the X-300 DC Controls, delease up to the disconnect panel in the X-300 basement.	
	X-343	N/A	Delease in its entirety	
Cathodic Protection X-240A	X-333 X-343	N/A	Delease 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-333	X-761-0050-JB R0	Delease in its entirety	Requires completion of modifications for X-6000 Alternate Blowdown.

Attachment 3
Plant Systems Jurisdictional Boundaries

Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Steam X-232D	X-333	X-761-0006-JB R0	On the south side, delease steam header back to the M705 and LW705 Valves.	
	X-343	X-761-0006-JB R0	Delease the steam header back to the W-343 isolation valve	
Condensate X-232D	X-333	X-761-0008-JB R0	On the south side, delease Condensate header back to just north of the tee where the condensate return piping from X-333 joins the outside header.	
High Pressure Fire Water (HPFW) X-230H	X-333	X-761-0001-JB R0	Delease back to PIVs exterior to building	Delease of this system will require NRC concurrence. Note: this system provides coverage for the leased ACR basement.
	X-343	X-761-0001-JB R0	Delease back to PIV 125 west of Defiance Avenue	Delease of this system will require NRC concurrence.
Fire Water Flow and Dry System Alarms X-220H	X-333 X-343	X-761-0003-JB R0	Delease at the PAX Cabinet terminal blocks located in the ACR-1 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 deleased facilities. Delease of this system will require NRC Concurrence.
Fire Water Supervisory (Tamper Alarms) X-220H	X-333 X-343	X-761-0003-JB R0	Delease at the PAX Cabinet terminal blocks located in the ACR-1 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 deleased facilities. Delease of this system will require NRC Concurrence.

Attachment 3
Plant Systems Jurisdictional Boundaries
Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Pull Box Alarms X-220H	X-333 X-343	X-761-0002-JB R0	Delease 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 deleased facilities.
Building Evacuation Alarms (Push Buttons) (No Fac. No.)	X-333 X-343	N/A	Delease in its entirety	Buttons are in ACR
Personnel Accountability Bells (No Fac. No.)	X-343	X-761-0003-JB R0	Delease back to the TC33B Termination Cabinet in the ACR-1 basement.	N/A for the X-333
CAAS & Evacuation Alarms (Includes abandoned-in-place Gamma Radiation Detection System/Argon Gamma Graphs) X-220J	X-333	X-761-0003-JB R0	Delease at the terminal blocks in the three Radiation Alarm System (RAS; also known as CAAS) Terminal Cabinets located in the ACR-1 Basement. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	Delease of this system will require NRC concurrence. X-333 CAAS provides coverage for the leased ACR basement 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.
CAAS & Evacuation Alarms X-220J	X-343	X-761-0003-JB R0	Delease back to the TC33B Termination Cabinet in the ACR-1 basement.	
Building Paging System (No Fac. No.)	X-333	N/A	Delease in its entirety	
Gas Release Alarms (No Fac. No.)	X-333 X-343	N/A	Delease in its entirety	
DYMCAS (Dynamic Material Control and Accountability System) (No Fac. No.)	X-333 X-343	X-761-0003-JB R0	Delease at the DYMCAS Terminal Cabinet terminal blocks located in the ACR-1 Basement. Terminal wires on right of the Terminal Strips are DOE's; wires on left are USEC's. No exceptions known at this time.	

Attachment 3
Plant Systems Jurisdictional Boundaries
Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
PBX phone (Non-Secure Plant Phone) X-220D-1	X-333 X-343	X-761-0003-JB R0	Delease at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-1 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
PAX phone (Secure Plant Phone) X-220D-2	X-333 X-343	X-761-0003-JB R0	Delease at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-1 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-333 X-343	X-761-0003-JB R0	Delease at the first telephone "66 Block" Termination Strip or Telephone Terminal Box located in the ACR-1 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-333 X-343	X-761-0003-JB R0	Delease at the PA Terminal Cabinet located in the ACR-1 Basement. 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-333	X-761-0007-JB R0	Delease back to isolation valve DA-3 on the south side of X-333. Also, for the feed on the east side of X-333, delease back to the first isolation valve off the main header.	Requires completion of modification for DAP relocation. DOE System to be maintained for USEC equipment removal
	X-343	X-761-0007-JB R0	Delease back to the first isolation valve off the main header for the feed to X-343/X-623.	

Attachment 3
Plant Systems Jurisdictional Boundaries
Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Nitrogen X-232A	X-333	X-761-0004-JB R0	Delease back to 6" Header valve between X-333 and X-705. For dedicated N2 line to X-700, delease back to first valve outside X-700 bldg.	
Switchgear Supervisory Control and Data Acquisition (SCADA) X-220S	X-333 X-343	X-761-0003-JB R0	Delease at the SCADA relay Cabinet located in the ACR-1 Basement. 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-333 X-343	N/A	Delease in its entirety	
HVAC systems (No Fac. No.)	X-333 X-343	N/A	Delease in its entirety	
Emergency Generator(s) (No Fac. No.)	X-333	N/A	System to be deleased in its entirety including the underground and aboveground diesel fuel storage tanks.	
Fluorine X-232F	X-333	X-761-0005-JB R0	Delease 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
Freon X-232E	X-333	N/A	Delease in its entirety the Freon piping throughout the process buildings and the interconnecting Freon headers	
CA (No Fac. No.)	X-333	N/A	Delease in its entirety	
Facility Temperature Monitoring (Cascade Automatic Data Processing: CADP) X-220K	X-333 X-343	X-761-0003-JB R0	Delease in its entirety up to where cables enter the ACR basement cable trays	
Cell Monitoring and Controls (No Fac. No.)	X-333	X-761-0003-JB R0	Delease in its entirety up to where cables enter the ACR basement cable trays	
Cell Support Equipment Monitoring and Controls (No Fac. No.)	X-333	X-761-0003-JB R0	Delease in its entirety up to where cables enter the ACR basement cable trays	

Attachment 3
Plant Systems Jurisdictional Boundaries
Facilities X-333, X-343, X-232C-5

Utility or Plant System	Area	Ref. Dwg.	Demarcation for Delease	Comments
Dry Air Plant Monitoring and Controls (No Fac. No.)	X-333	X-761-0003-JB R0	Delease in its entirety up to where cables enter the ACR basement cable trays	
Withdrawal Station (LAW) Monitoring and Controls (No Fac. No.)	X-333	X-761-0003-JB R0	Delease in its entirety up to where cables enter the ACR basement cable trays	
Autoclave Facility Monitoring and Controls (No Fac. No.)	X-343	X-761-0003-JB R0	Delease back to the TC33B Termination Cabinet in the ACR-1 basement.	
RCW Pumps Monitoring and Controls (X-633) (No Fac. No.)	X-333	X-761-0003-JB R0	Delease in its entirety up to where cables enter the ACR basement cable trays	
Emergency Egress Lighting (OSHA) (No Fac. No.)	X-333 X-343	N/A	Delease in its entirety	
Floor lighting (OSHA) (No Fac. No.)	X-333 X-343	N/A	Delease in its entirety	
Computer Communications System (Fiber) (No Fac. No.)	X-333	X-761-0102-JB R0	Delease at the output wire connections to the optical Fiber Switch in the ACR-1 basement.	
Process Gas Tie-Line between X-333 and X-343 X-232C-5	X-232C-5	N/A	Delease in its entirety	All interfaces with the X-232C-5 originate in buildings being de-leased. Therefore no interfaces for those Tie Lines will be detailed in this table.

System Turnover Status

Facilities: X-333, X-343 & X-232C-5

Utility or Plant System	Area	Current Status	Proposed Turnover Status
Elevators (3)	X-333 & X-343	(1&3) N/A	(1&3) N/A
Cranes (23)	X-333 & X-343	21 (1&3) 2 (1)	21 (1&3) 2 (1)
Eye Wash/Safety Showers	X-333 & X-343	1	1
Ventilation System	X-333 & X-343	(1&4)	(1&4)
Sanitary/Fire Water	X-333 & X-343	1	1
Storm Drains	X-333 & X-343	1	1
Sewage	X-333 & X-343	1	1
Electrical	X-333 & X-343	(1&5)	(1&5)
DC Power (Battery Rooms, switchgear, alarms/lights, etc.)	X-333 & X-343	1	1
Cathodic Protection	X-333 & X-343	1	1
Recirculating Cooling Water (RCW)	X-333 & X-343	5	5
Steam	X-333 & X-343	1	1
Condensate	X-333	1	1
High Pressure Fire Water (HPFW)	X-333 & X-343	1	1
Fire Water Flow and Dry System Alarms	X-333 & X-343	1	1
Fire Water Supervisory (Tamper Alarms)	X-333 & X-343	1	1
Pull Box Alarms	X-333 & X-343	1	1
Building Evacuation Alarms (Push Buttons)	X-333 & X-343	1	1
Personnel Accountability Bells	X-343	1	1
CAAS & Evacuation Alarms	X-333 & X-343	1	1
Building Paging System	X-333	1	1
Gas Release Alarms and Smoke (PG) Detection System	X-333 X-343	2	2
DYMCAS (Dynamic Material Control	X-333	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)

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System Turnover Status

Facilities: X-333, X-343 & X-232C-5

Utility or Plant System	Area	Current Status	Proposed Turnover Status
and Accountability System)			
PBX phone (Non-Secure Plant Phone)	X-333 & X-343	1	1
PAX phone (Secure Plant Phone)	X-333 & X-343	1	1
Red Phone (Emergency Plant Phone)	X-333 & X-343	1	1
Public Address system	X-333 & X-343	1	1
Dry Air	X-333 & X-343	1	1
Nitrogen	X-333 & X-343	1	1
Switchgear Supervisory (SCADA)	X-333 & X-343	1	1
Fire Extinguishers	X-333 & X-343	1	1
HVAC systems	X-333 & X-343	1	1
Emergency Generator(s)	X-333	4	4
Fluorine	X-333	2	2
Freon	X-333	2	2
CA	X-333	2	2
Facility Temperature Monitoring (CADP)	X-333	2	2
Cell Monitoring and Controls	X-333	2	2
Cell Support Equipment Monitoring and Controls	X-333	2	2
Dry Air Plant Monitoring and Controls	X-333	4	4
Withdrawal Stations (LAW) Monitoring and Controls	X-333	2	2
Computer Communications System	X-333	1	1
Emergency Egress Lighting (OSHA)	X-333 & X-343	1	1
Floor lighting (OSHA)	X-333 & X-343	1	1

Status Codes:
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5/24/2010