



United States
Enrichment Corporation

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November 7, 1997

United States Nuclear Regulatory Commission
Attention: Administrator, Region III
801 Warrenville Road
Lisle, Illinois 60532-4351

SERIAL:GDP-97-2028

Portsmouth Gaseous Diffusion Plant (PORTS), Docket No. 70-7002, Completion of a Regulatory Commitment

Pursuant to a discussion between Patrick Hiland, NRC Region III, and Ron Gaston, PORTS Nuclear Regulatory Affairs Manager, on November 7, 1997, this letter documents the completion of a commitment described in USEC letter GDP-97-2027, dated November 5, 1997, to prioritize NCSAs on or before November 6, 1997. The commitment was completed on November 6, 1997, and is described in further detail below:

The NCSAs were divided into three groups utilizing the following criteria:

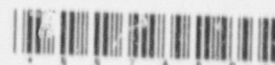
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|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Priority 1 | Continuous operations which support feed, enrichment or withdrawal activities because these are the activities performed the most often and therefore have the highest potential risk |
| Priority 2 | Batch operations which support feed, enrichment or withdrawal activities |
| Priority 3 | All other activities |

Currently, there are 39 Priority 1, 39 Priority 2, and 117 Priority 3 NCSAs. The NCSAs classified Priority 2 or 3 may change during implementation, for example, to accommodate new information or changing conditions. The target NCSA completion dates (including review, walkdowns, and PORC approval) are as follows:

- | | |
|------------|----------------|
| Priority 1 | March 27, 1998 |
| Priority 2 | July 31, 1998 |
| Priority 3 | April 30, 1999 |

Additionally, per the request of Mr. Hiland, USEC will provide NRC with the NCS implementation plan by November 10, 1997.

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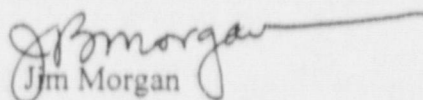


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A list of commitments and a prioritized list of NCSAs are enclosed.

If you have any questions regarding this submittal, please contact Ron Gaston at (614) 897-2710.

Sincerely,


Jim Morgan
General Manager
Portsmouth Gaseous Diffusion Plant

Enclosure

cc: NRC Document Control Desk
NRC Resident Inspector - PORTS
NRC Special Projects Branch

Enclosure 1

UNITED STATES ENRICHMENT CORPORATION (USEC)
List of Commitments

1. USEC will provide NRC with the NCS implementation plan by November 10, 1997.

PRIORITIZED LIST OF ACTIVE NCSA'S

| <u>PRIORITY</u> | <u>NCSA#</u> | <u>SUBJECT</u> |
|-----------------|--------------|--------------------------------------------------------------------------------------------------------------|
| 1 | 0326_013.A02 | Cascade Operations in the X-326 Building |
| 1 | 0326_014.0C1 | Operation of Seal Exhaust Stations with the Kinney Vacuum Pump, Model KT-170LP in the X-326 Facility |
| 1 | 0326_015.A02 | Extended-Range Product (ERP) Withdrawal Station |
| 1 | 0326_024.301 | Feeding of 5-inch, 8-inch and 12-inch HEU Cylinders at the X-326 Product Withdrawal and Product Purification |
| 1 | 0330_004.A01 | Cascade Operations in The X-330 Building |
| 1 | 0330_005.A00 | X-330 Area 2 Seal Exhaust |
| 1 | 0330_006.A01 | X-330 Area 3 Seal Exhaust and Wet Air Evacuation |
| 1 | 0330_007.A00 | Tails Withdrawal Station |
| 1 | 0333_015.A01 | Cascade Operations in the X-333 Building |
| 1 | 0333_016.A01 | X-333 Area 1 Seal Exhaust and Wet Air Evacuation |
| 1 | 0333_017.A00 | Low Assay Withdrawal (LAW) Station |
| 1 | 0342A001.001 | General Handling, Weighing, & Storage |
| 1 | 0342A002.A01 | Autoclave Operation |
| 1 | 0342A004.A01 | Oil Interceptor |
| 1 | 0342A005.001 | Sump |
| 1 | 0343_001.001 | General Handling, Weighing, & Storage |
| 1 | 0343_002.A01 | Autoclave Operation |
| 1 | 0343_003.101 | Oil Interceptors |
| 1 | 0343_005.A02 | Waste Streams |
| 1 | 0344A001.A02 | Autoclave Operation |
| 1 | 0344A002.A01 | Gulper System |
| 1 | 0344A003.A00 | X-344A Scale Pits and Sumps |
| 1 | 0344A011.A00 | Technetium (Tc) Trap in Autoclave |
| 1 | 0705_018.A02 | 8- and 12-inch Cylinder Cleaning |
| 1 | 0705_132.A00 | Replacing 8" and 12" HEU Cylinder Valves |
| 1 | 0710_009.A00 | Storage Requirements for Fissile Material Transfer (Uranium Chg'n of Custody) Room |
| 1 | 0710_026.A00 | Sampling, Transporting, and Handling in X-710 |
| 1 | PLANT01 | Storing and Handling of Large Cylinders of Uranium Material |
| 1 | PLANT006.A02 | General Use of Small Diameter Containers for Storing High Enriched Material |
| 1 | PLANT029.A00 | Cascade Datum Systems |
| 1 | PLANT030.A02 | Evacuation Booster Stations |

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| PRIORITY | NCSA# | SUBJECT |
|----------|--------------|---------------------------------------------------------------------------------------------------|
| 1 | PLANT033.A01 | Surge Drums |
| 1 | PLANT038.A00 | Inter-Building Tie Lines |
| 1 | PLANT043.A00 | Fissile Material Transport |
| 1 | PLANT049.0C1 | Always-Safe Portable Small UF6 Release Gulpers |
| 1 | PLANT054.A00 | Lube Oil System |
| 1 | PLANT055.A00 | Laundry |
| 1 | PLANT062.A00 | Cascade Maintenance |
| 1 | PLANT079.A00 | Opening Equipment Containing Greater than a Safe Mass of Uranium-Bearing Material |
| 2 | 0326_022.101 | X-326 Use of Portable HEPA Ventilation Units for Specific Activities |
| 2 | 0330_003.101 | Storage and Handling of Seals in X-330 |
| 2 | 0342A006.A02 | Waste Streams |
| 2 | 0343_008.001 | Disposal of Pigtaills, Manifolds, Cylinder Safety Valves, and Other Used Autoclave Components |
| 2 | 0344A006.A03 | Sample Cylinder Handling and Storage |
| 2 | 0344A007.A04 | Waste Streams |
| 2 | 0344A010.0C1 | Disposal of Pigtaills, Manifolds, and Cylinder Safety Valves, and Other Used Autoclave Components |
| 2 | 0705_002.A02 | 2.5-Ton, 10-Ton, and 14-Ton Cylinder Cleaning |
| 2 | 0710_004.101 | Gulpers for Mass Spectrometers |
| 2 | 0710_006.A00 | Uranium Sample Laboratory |
| 2 | 0710_008.A01 | UF6 Isotope Standards Preparation Laboratory |
| 2 | 0710_011.A00 | Process Spectrometry Laboratory |
| 2 | 0710_012.A01 | Uranium Analysis Laboratory |
| 2 | 0710_020.A00 | Process Chemistry Laboratory |
| 2 | 0710_021.A00 | Process Services Laboratory |
| 2 | 0760_003.A01 | Sample Buggy Repair |
| 2 | PLANT011.001 | Use of Portable HEPA Ventilation Units for Specific Maintenance Activities |
| 2 | PLANT012.A01 | Favorable Geometry Vacuum Cleaner |
| 2 | PLANT013.A00 | Batching Solutions and Solids |
| 2 | PLANT018.A01 | Dry Active Waste (Contaminated Burnables) in Waste Generation Areas and in Interim Storage |
| 2 | PLANT022.A00 | Sample Cylinder Handling and Storage |
| 2 | PLANT025.A01 | General Use of Small Diameter Containers for Storing up to 10% Enriched Material |
| 2 | PLANT031.A01 | Use of Portable Infrared Analyzers (PIRA Buggies, FTIRs, etc.) |
| 2 | PLANT044.A00 | Cold Recovery - Cold Traps |

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| <u>PRIORITY</u> | <u>NCSA#</u> | <u>SUBJECT</u> |
|-----------------|--------------|---------------------------------------------------------------------------------------------------------------------------|
| 2 | PLANT048.A00 | Contaminated Metal |
| 2 | PLANT050.A00 | Use, Handling, and Storage of Fixed HEPA Filters and Prefilters |
| 2 | PLANT051.A00 | Cold Recovery Chemical Traps |
| 2 | PLANT052.A00 | Cold Recovery - Holding Drums |
| 2 | PLANT053.A01 | Uranium Analysis and Sampling |
| 2 | PLANT057.001 | Use of Gas Sampling Cart |
| 2 | PLANT060.A01 | Cylinder Valve Replacement |
| 2 | PLANT063.A00 | Building Decontamination Activities |
| 2 | PLANT064.A00 | Handling and Storage of Seals in X-326, X-330, X-333 |
| 2 | PLANT065.A00 | Use of Limited-Safe Geometry Vacuum Cleaners |
| 2 | PLANT068.A00 | Negative Air Machine (NAM) |
| 2 | PLANT069.A00 | Test Buggies |
| 2 | PLANT075.A00 | Batching of Contaminated Components Which Are Exposed to UF ₆ or Other Non-Oily Uranium Processes |
| 2 | PLANT076.A00 | Oil Interceptors and Sumps in X-343 and X-342 |
| 2 | PLANT078.A00 | Use of Ledoux 1S Cylinders at PORTS |
| 3 | 0323_001.A02 | Nuclear Criticality Safety of Shutdown and Standby X-326 Cells (Units 25-1, 25-2, 25-3, 25-4, 25-5, 25-6, 27-2, and 27-3) |
| 3 | 0326_016.A00 | Operating Floor Freon Degradar |
| 3 | 0326_027.A00 | Operation of the X-326 NDA Laboratory |
| 3 | 0330_009.V01 | Flushing/Cleaning of 1/2" Vented Cavity Pipes and Compressor "B" Seal Cavities, X-330 |
| 3 | 0330_013.A00 | Long Term Storage of PEH Converter in X-330 |
| 3 | 0333_007.AC1 | 1000 CFM Negative Air Machine |
| 3 | 0333_018.001 | Freezer/Sublimar |
| 3 | 0333_022.A00 | Flushing/Cleaning of Vented Cavity Pipes and Compressor "B" Seal Cavities |
| 3 | 0333_023.A01 | Long Term Storage of ~3-8-6 Stage 7 PEH Compressor |
| 3 | 0344A004.A00 | Evacuation System and Cold Traps |
| 3 | 0344A005.A02 | X344A Small Diameter Container Storage |
| 3 | 0700_001.001 | Fissile Material at The Radiation Instrument Calibration Facility. |
| 3 | 0700_002.A01 | Heavy Metals Sludge Storage |
| 3 | 0700_004.A00 | X-700 Converter Disassembly and Repair Area |
| 3 | 0700_005.A00 | Glass Bead Blasting |
| 3 | 0700_006.A00 | Biodenitrification (Pilot Plant and New Plant) |
| 3 | 0700_007.A00 | Cleaning Tank #3/ Converter Flushing Station |

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| <u>PRIORITY</u> | <u>NCSA#</u> | <u>SUBJECT</u> |
|-----------------|--------------|--------------------------------------------------------------------|
| 3 | 0700_016.A01 | Uranium Bearing Materials Storage Area Between Columns D10 and D12 |
| 3 | 0700_017.A00 | RCRA 90 Day Storage Area Bounded by Columns E2, E3, F2, and F3 |
| 3 | 0700_018.A00 | X-700 Large Sandblasting Operation |
| 3 | 0700_019.A00 | Routine Operations in x-700 Cleaning Tanks 1, 2, 4, 5 |
| 3 | 0700_020.A00 | Operation of the X-700 Chemical Tanks 1, 2, 4, and 5 |
| 3 | 0705_004.A00 | 5-Inch Cylinder Cleaning |
| 3 | 0705_005.A00 | Small Cylinder Rinse Pit |
| 3 | 0705_009.A00 | Seal Dismantling Room |
| 3 | 0705_010.101 | Small Parts Glass Bead Blaster |
| 3 | 0705_011.A01 | Small Parts Pit |
| 3 | 0705_012.A00 | Small Parts Handtables Operations |
| 3 | 0705_014.A01 | Leaching/Complexing Handtable |
| 3 | 0705_015.A08 | Waste Water Treatment (Microfiltration System) |
| 3 | 0705_020.A0C | Flocculation & Filtration of Solutions from Leaching Operations |
| 3 | 0705_021.A01 | B-Area Batching Handtable Operations |
| 3 | 0705_022.A01 | B-38, B-1, and Dissolver Solution Storages |
| 3 | 0705_023.A00 | Operation of the "A," "B," and "C" Loop Extractor/Stripper Systems |
| 3 | 0705_024.0C5 | Calciners, Solution Recovery |
| 3 | 0705_025.A00 | Nitrous Oxide (NOx) Scrubber System |
| 3 | 0705_027.A03 | Heavy Metals Precipitation |
| 3 | 0705_028.A00 | Technetium Ion Exchange |
| 3 | 0705_030.A00 | Recovery Elevator |
| 3 | 0705_031.A00 | Equipment Disassembly in the North Teardown Area |
| 3 | 0705_033.1C4 | South Annex Operations - Cascade Equipment |
| 3 | 0705_034.A02 | Spray Booth Operations |
| 3 | 0705_035.A05 | Tunnel Storage |
| 3 | 0705_037.A00 | Ground Water Sumps |
| 3 | 0705_038.A01 | Truck Alley Cleaning |
| 3 | 0705_039.A02 | Oil and Grease Removal System |
| 3 | 0705_040.A00 | Overhead Storage |
| 3 | 0705_041.A00 | C-Area Material Handling & Storage |
| 3 | 0705_042.A00 | Small Equipment Tear-Down ("Blue Room") |

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| <u>PRIORITY</u> | <u>NCSA#</u> | <u>SUBJECT</u> |
|-----------------|--------------|-------------------------------------------------------------------------------|
| 3 | 0705_043.A00 | Elevator Tunnel |
| 3 | 0705_044.001 | Maintenance Shop |
| 3 | 0705_050.A00 | X-705 Process Laboratory |
| 3 | 0705_051.A01 | Solution Preparation |
| 3 | 0705_055.A00 | Facility Drains |
| 3 | 0705_064.A00 | Seal Can Handling and Storage in X-705 |
| 3 | 0705_071.001 | 2.5-ton, 10-ton, and 14-ton Cylinder Drying |
| 3 | 0705_072.A00 | Inspection and Testing of UF6 Cylinders |
| 3 | 0705_073.001 | Genie Model AWP30 Manlift |
| 3 | 0705_075.A00 | F- Area Fissile Material Handling and Storage |
| 3 | 0705_076.A00 | Inadvertent Containers |
| 3 | 0705_082.A00 | "A", "B", "C" Loop Pre-Evaporator Systems |
| 3 | 0705_083.A01 | "A", "B", and "C" Loop Concentrate Storage and Metering Systems |
| 3 | 0705_084.A00 | "A" and "B" Loop Raffinate Storage and Recycle System |
| 3 | 0705_085.A00 | "A", "B", "C" Loop T-Water Storages |
| 3 | 0705_086.A00 | "A", "B", and "C" Loop Post Evaporator Systems |
| 3 | 0705_099.A01 | Post Evaporator Spray Condenser and Sample Condenser Systems |
| 3 | 0705_100.A02 | Pre-Evaporator Spray Condenser and Sample Condenser Systems |
| 3 | 0705_102.A00 | B Area Condensate Drain System |
| 3 | 0705_103.A00 | Process Vent System |
| 3 | 0705_105.A01 | Cylinder Cleaning Gulper System |
| 3 | 0705_107.A00 | 2.5-ton, 10-ton, and 14-ton Cylinder Receiving & Storage |
| 3 | 0705_108.001 | SES (Solution Enrichment System) 2 (X-705) |
| 3 | 0705_110.A01 | Used Microfilters Removal and Storage |
| 3 | 0705_111.A01 | Buffing Booth |
| 3 | 0705_114.A00 | Facilities Utilities/Services - Process Steam |
| 3 | 0705_122.A02 | Blending Cylinder Wash Solution |
| 3 | 0705_123.A00 | Small Cylinder Receipt and Storage |
| 3 | 0705_124.A01 | F-Area Oxide Glovebox |
| 3 | 0705_126.A00 | RCRA 90 Day Storage Area Roughly Bounded by Columns F-23, G-23, F-24 and G-24 |
| 3 | 0705_127.A00 | Classified Scrap Metal (Seal Parts Only) |
| 3 | 0705_128.A00 | Storage of 8-inch EBS Pipe in the Large Parts Cage |

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| <u>PRIORITY</u> | <u>NCSA#</u> | <u>SUBJECT</u> |
|-----------------|--------------|-------------------------------------------------------------------------|
| 3 | 0705_129.A00 | Decontamination of Unfavorable Geometry Parts in Tunnel Spray Booths |
| 3 | 0705_130.A00 | Testing of the 5-inch and 8- & 12-inch Cylinder Cleaning Operations |
| 3 | 0705_131.A00 | Draining, Transferring, and Collecting Uranium-Bearing Liquids in X-705 |
| 3 | 0710_001.101 | Use of NilFisk Model 80 Portable Vacuum in X-710 |
| 3 | 0710_007.A00 | Small Diameter Container Storage in X-710 |
| 3 | 0710_014.A00 | X-Ray Fluorescence Laboratory |
| 3 | 0710_015.A02 | Handling of Samples and Process Waste in ES&H Analytical Labs |
| 3 | 0710_022.A00 | Laboratory Standards and Controls |
| 3 | 0710_023.A00 | Miscellaneous Uranium Operations |
| 3 | 0710_024.A00 | Handling and Storage of Sources |
| 3 | 0710_025.A00 | Handling and Storage of Samples from ES&H Analytical Labs |
| 3 | 0720_001.A02 | Cleaning Lightly Contaminated Floor Areas |
| 3 | 0720_003.A01 | Dry Blast Machines for Non-Visibly Contaminated Parts |
| 3 | 0720_009.A00 | Small Parts Glovebox |
| 3 | 0720_014.A00 | Valve Shop Vapor Degreaser |
| 3 | 0720_015.A02 | Cleaning and Decontaminating Space Recorder Cans |
| 3 | 0720_016.A00 | Transmitter Cleaning Station |
| 3 | 0720_018.A00 | Hydro Table in the X-720 Hydro Shop |
| 3 | 0847_001.A03 | General Storage of Uranium-Bearing Waste, XT-847 |
| 3 | 0847_002.001 | Storage of B-25 Waste Boxes at XT-847 |
| 3 | PLANT001.0C1 | Storing Small Diameter Containers in Plastic Bags, Plant |
| 3 | PLANT002.0C1 | Water Cooling of UF6 Cylinders at LAW, ERP, Tails, X-342 and X-343 |
| 3 | PLANT014.A00 | Use of Unsafe Geometry Vacuum Cleaners |
| 3 | PLANT016.A00 | Use of Commercial Floor Scrubbing Machines and Power Sweepers |
| 3 | PLANT017.A00 | Storage and Handling of B-4 Pumps |
| 3 | PLANT028.A03 | Removal and Handling of PEH Equipment |
| 3 | PLANT034.A00 | Liquid Waste Collection and Sampling Systems |
| 3 | PLANT036.A00 | Storage of Safe Batch Containers |
| 3 | PLANT037.A00 | Use of Small Diameter Container Carts |
| 3 | PLANT045.A01 | Limited Safe Volume Containers |
| 3 | PLANT066.A01 | Mop Buckets |
| 3 | PLANT070.A00 | Miscellaneous Waste Accumulation Areas |

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| <u>PRIORITY</u> | <u>NCSA#</u> | <u>SUBJECT</u> |
|-----------------|--------------|--------------------------------------------------------------------------------------------------------------|
| 3 | PLANT071.A00 | Use of Portable HEPA Ventilation Units |
| 3 | PLANT073.A01 | Removal and Handling of Two Compressors Above Mass Removal Limit and Installation of Replacement Compressors |
| 3 | PLANT074.A00 | Decontamination Using a Steam Jenny |
| 3 | PLANT077.A00 | Long Term Storage of Legacy PEH Equipment |