

*****The Terms and Conditions of the RFP Govern Over Any Information Presented Today*****

**Portsmouth Gaseous Diffusion Plant Tour
Prospective Bidders for Remediation RFP
January 29, 2004**

Logistics Plan

Registration, security badging process and security briefing – An initial security briefing will be conducted at 8:00 a.m. at the Comfort Inn in Piketon, Ohio, approximately 5 miles north of the plant, for participants prior to registration and badging to ensure no prohibited articles are in their possession before boarding the bus for the site tour.

Prohibited Articles include:

- Any weapons or dangerous instruments
- Explosives or material capable of producing substantial damage to person or property
- Controlled substances, illegal drugs and associated paraphernalia
- Alcoholic beverages
- Any item prohibited by law
- Recording devices (audio, video, optical or data)
- Electronic device capable of exchanging data
- Radio frequency transmitting device
- Cellular Phones
- Device capable of downloading data
- Computer and associated media

Registration will immediately follow from 8:15 a.m. to 8:45 a.m. Registration/badging will take place at tables located just inside the conference room. Adequate parking is available at the hotel. Coffee, juice, and donuts will be available in the conference room. Assisting with the registration/badging will be Paulette Williamson, DOE Security; Beth Keener, Bechtel Jacobs Security; and Sandy Childers, Bechtel Jacobs Public/Regulatory Affairs.

Welcome/Introductions – A very brief welcome and introduction will be given by Russ Vranicar, U.S. Department of Energy, prior to the participants boarding the bus for the site tour.

Briefing materials – Folders will be provided to each visitor containing: Portsmouth Gaseous Diffusion Plant visitor guide, copy of briefing materials.

Plant tour - At approximately 9:00 a.m., participants will board a rented tour bus. The bus will arrive for loading in front of the Comfort Inn Conference Center,

Piketon. The bus will transport visitors from the Comfort Inn for the 10 minute trip to the Portsmouth Gaseous Diffusion Plant, entering through the West Access Road off U.S. Route 23 and proceeding through the E-Vehicle Portal. Arrangements will be made to have a Protective Force vehicle escort the bus during the tour route. DOE-PORTS personnel will conduct the tour. The plant tour will include a walking tour of the X-7725 Waste Storage Facility and former centrifuge buildings, a tour of the DOE Material Storage Areas in the X-326 Process Building, the X-744G Uranium Management Center, the X-623 Groundwater Treatment Facility, and a drive-by of several of the key plant facilities and project sites. See attached agenda for the plant tour schedule.

Tour conclusion – The tour will conclude at approximately 2:30 p.m. and participants will be returned to the Comfort Inn by 3:00 p.m.. Therefore, box lunches will be provided during the tour at an individual cost of \$7.50, which will be collected during registration. Badges will be collected when attendees depart from the bus.

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Agenda

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|-------------------------|--|---|
| 8:00 a.m. – 8:15 a.m. | Welcome and Introductions | Russell Vranicar, U.S. DOE-PORTS |
| 8:15 a.m. – 8:45 a.m. | Security Briefing, Registration and Badging Comfort Inn, Piketon <i>(Large Conference Room)</i> | P. Williamson, DOE; B. Keener, and S. Childers, BJC |
| 8:45 a.m. – 9:00 a.m. | Participants Board Bus in front of Comfort Inn Conference Center | |
| 9:00 a.m. – 9:15 a.m. | Travel to Portsmouth Plant Enter through West Access Road and E-Vehicle Portal to front of X-7725 Building (After participants disembark, bus will be escorted to east side of X-3002) | |
| 9:15 a.m. – 10:15 a.m. | Walking Tour of X-7725 Waste Storage Facility, X-7727H Transfer Corridor, X-3001 Centrifuge Facility | |
| 10:05 a.m. – 10:20 a.m. | Restroom Break in X-3012; Walk-through X-3002 Centrifuge Facility; re-board bus outside X-3002 | |
| 10:20 a.m. – 10:25 a.m. | Point out Facilities on Drive to X-326 Process Building (Inside Limited Area) - R. Vranicar, DOE <ul style="list-style-type: none">- X-1020 Emergency Operations Center (USEC leased)- X-1007 Fire Station (USEC leased)- X-3000 GCEP Central Control Building (DOE managed)- X-1000 GCEP Administration Building (DOE managed)- X-622 Groundwater Treatment Facility (DOE managed)- X-744K Lithium Warehouse (OANG leased)- X-231A and B Completed Remediation Projects (S&M) | |
| 10:25 a.m. – 10:30 a.m. | Enter GDP area through Interconnecting Portal; Drive to GDP X-326 Process Building (Enter through Door #6) | |
| 10:30 a.m. – 11:00 a.m. | Walk through X-326 Process Building to DOE Material Storage Areas (L-Cage and DMSAs #5 and 6) | |
| 11:00 a.m. – 11:05 a.m. | Drive by and point out GDP facilities on way to X-744G Building <ul style="list-style-type: none">- X-770 Mechanical Test Building (DOE)- X-710 Laboratory (USEC leased)- X-300 Plant Control Facility (USEC leased) | |

- X-330 Process Building (USEC leased)
 - X-720 Machine Shop (USEC leased)
 - X-700 Cleaning Facility (USEC leased)
 - X-705 Decontamination Facility (USEC leased)
 - X-333 Process Building (USEC leased)
- 11:05 a.m. – 11:25 a.m. Stop and Tour X-744G Uranium Management Center (DOE)
- 11:25 a.m. – 11:40 a.m. Stop and Visit X-623 Groundwater Treatment Facility (DOE)
- 11:45 a.m. – 12:30 p.m. Lunch at X-102 Cafeteria (Private Dining Room)
- Box lunches provided for \$7.50 per person (will be collected during the morning site tour sign-in/badging)
- 12:30 p.m. – 12:50 p.m. Drive by GDP facilities to DUF6 Cylinder Yards
- X-344 Shipping and Transfer Facility (USEC)
 - X-745 C&E DUF6 Storage Yards (DOE)
- 12:50 p.m. – 1:00 p.m. Drive by Areas Back to Interconnecting Portal
- X-530A Switchyard (USEC leased)
 - X-740 Phytoremediation Project (DOE)
 - XT-860A Rubb Building (DOE)
 - X-7745 R Storage Pad (DOE)
 - X-7725A Waste Accountability Facility (DOE)
- 1:00 p.m. – 1:50 p.m. Drive-By Tour (Outside Limited Area)
Exit through E-Vehicle Portal
- X-3346 GCEP Feed & Withdrawal Facility (DOE)
 - X-625 Groundwater Treatment Facility (DOE)
 - X-749/120 Phytoremediation Project (DOE)
 - X-749 Low-Level Landfill (DOE)
 - X-749 South Barrier Wall Investigation (DOE)
 - X-749B Peter Kiewit Landfill (DOE)
 - X-749A Classified Materials Landfill (DOE)
 - X-701B Holding Pond Area (DOE)
- 1:50 p.m. – 2:10 p.m. Drive to East Access Road/Fog Road to North Access Road, Back to Perimeter Road
- X-624 Groundwater Treatment Facility (DOE)
 - X-701B Interceptor Trench (DOE)
 - X-611A Prairie (DOE)
 - X-611B Holding Pond (USEC leased)
 - X-114 Firing Range (USEC leased)
 - X-735 Sanitary Landfill (DOE)
- 2:10 p.m. – 2:20 p.m. Drive Around Warehouse X-744W at Scrap Metal Yard
- X-747H Scrap Metal Storage Yard (DOE)
 - X-734 Construction Spoils Landfill (DOE)
 - UDS Conversion Plant Site (DOE)

2:20 p.m. – 2:30 p.m.

Conclude tour; Return to Comfort Inn, Piketon
Turn in Badges and De-board bus

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Site Tour Script

10 MINUTE DRIVE FROM PIKETON COMFORT INN TO PLANT

Provide general description of the regional area and history of plant – For many years, the Portsmouth Gaseous Diffusion Plant was the largest employer in Pike County. It was built to support the nation's Defense Program in 1952-1956 and the first cell went on stream in 1954. The production of highly enriched uranium was suspended in 1991. The Energy Policy Act of 1992 established the United States Enrichment Corporation (USEC). The management and operations of the uranium enrichment enterprise was transferred from DOE to USEC in 1993. In 2001, USEC made the business decision to stop production of enriched uranium at the Portsmouth plant. Since 2001, the Portsmouth plant has been maintained in a cold standby status, leaving the Paducah Gaseous Diffusion Plant in Kentucky as the only operating uranium enrichment facility in the country. On January 12, 2004, USEC announced that the Portsmouth plant site has been selected for the site of their commercial advanced centrifuge plant, expected to be operational by the end of the decade.

Due to downsizings in recent years, the plant is now the second largest employer to Mill's Pride, a local cabinetmaker in Waverly located 12 miles north of the plant. Approximately 1700 people are employed by the Portsmouth plant. The plant employment is broken down by about 1175 employed by USEC and approximately 500 working on the Department of Energy's Environmental Management program. Other major employers in the region are Mead Westvaco Paper and Kenworth Trucking in Chillicothe (located 40 minutes north), Pillsbury in Jackson (about 30 minutes east), the Southern Ohio Correctional Facility in Lucasville, just 15 minutes south of the plant, the Southern Ohio Medical Center in Portsmouth, and a new Duke Power Plant in Lawrence County, approximately 40 minutes southeast. Several Portsmouth plant employees commute to work daily from as far away as Columbus or Cincinnati.

The plant is surrounded by four counties, Pike, Ross, Scioto and Jackson and the area is largely rural farmlands and forests. Pike County, where the plant resides, has a population of 25,000. The closest population center to the plant is the Village of Piketon with 1800 residents. This southern Ohio region is rich in history with the old Ohio and Erie Canal running where U.S. Route 23 now passes through Waverly and the area played a large role in the Underground Railroad by providing safe havens for African-American slaves traveling north to

reach freedom. The Ohio River town of Portsmouth served the steel industry for many years before the closings of the steel mill and coke plant.

Over the past eight years, DOE has provided more than \$14 million in grant funding to the Southern Ohio Diversification Initiative, the local Community Reuse Organization. SODI has used these funds to support four industrial parks in the adjoining counties and to assist in worker retraining efforts. SODI's office is located in The Ohio State University Research Center building just north of the plant.

The plant's Perimeter Road encircles the facility and is about seven miles in length. The DOE Reservation is 3,714 acres of which 1,200 acres are inside the confines of the Perimeter Road. Since the terrorist attacks of September 11, 2001, all public access has been closed to the plant. Only one entrance for employees remains open through the West Access Road that we just entered.

Bus will enter the limited security area of the Portsmouth Gaseous Diffusion Plant through the E-Vehicle Portal on the west side of the plant site and will park in front of the X-7725 Waste Storage Facility.

Point out the X-7725B DOE Environmental Information Center trailer on left as bus approaches the E-Vehicle Portal.

Tour participants will de-board the bus for a walking tour of the X-7725 Building. While on the walking tour, a Protective Force Officer will escort the bus to the east side of the X-3002 GCEP Process Building so attendees can re-board the bus for the driving portion of the site tour.

1. Walking Tour of X-7725 Waste Storage Facility (DOE-managed)

Tour participants will walk through a portion of the X-7725 Waste Storage Facility. The X-7725 Building was constructed in the early 1980s as the Recycle and Assembly Building for centrifuge machines as part of the original gas centrifuge plant. It was modified in the early 1990s with special epoxy-coated flooring, six-inch diking, and other specific requirements so the building could serve as the Department of Energy's RCRA Part B-permitted hazardous and mixed waste storage facility. Approximately 9,350 containers of low level, TSCA low-level, TSCA mixed, and RCRA mixed wastes are located in the X-7725 Waste Storage Facility. This facility also provides office space for DOE and Bechtel Jacobs personnel on the first, second and third floors. Waste is typically stored in this building for one or both of the following reasons: it requires storage in a RCRA Part B permitted facility or it requires Criticality Accident Alarm System (CAAS) coverage. The RCRA Part B Permit issued by Ohio EPA provides over 250,000 sq. ft. of permitted space. Three areas in the X-7725 Building have been emptied of waste in support of the USEC Lead Cascade Centrifuge Test Facility. A RCRA closure is pending approval of a phased closure plan. Additional areas on the east side of the building are to be emptied

of waste (containers will be relocated into other permitted areas of the building) to support the USEC centrifuge project. Additional waste is also located in the Part B permitted space on the fourth floor of the X-7725 Building.

2. Walking Tour of X-7727H Transfer Corridor, X-3001, X-3012 and X-3002 Gas Centrifuge Enrichment Plant Buildings (DOE-managed, some areas under USEC temporary lease)

During the original centrifuge plant, the Transfer Corridor was used to transport 10 centrifuge machines at a time on a special transporter from the Recycle and Assembly Building to the GCEP Process Buildings. Two of the planned eight process buildings were completed on the Portsmouth GCEP project before it was cancelled in 1985. As we enter the process buildings, the X-3001 was the first process building to be completed and the only on-site facility to have centrifuge machines installed, tested and running for a short period of time. This facility will be used by USEC for their Lead Cascade Advanced Centrifuge Demonstration Plant. The south half of the X-3001 and X-3002 buildings are currently temporarily leased to USEC to prepare for the Lead Cascade project. These GCEP facilities will be transitioned to USEC for the advanced centrifuge commercial plant. The Records Management and Document Control Center is located to the left in the X-3012 Building. The RHW, or Recirculating Hot Water, boiler alternate heating system is located on the north end of the X-3002 Building, as we exit the GCEP facilities.

Re-board bus parked on east side of X-3002 Building to continue site tour. Bus will drive down Falcon Avenue past the Emergency Operations Center to the X-1000 GCEP Administration Building, turn around at the X-1000 and go back to enter the Gaseous Diffusion Plant areas.

3. X-1020 Emergency Operations Center & X-1007 Fire Department (USEC Leased)

The newer, brick buildings on the left of the bus were built as part of the Gas Centrifuge Enrichment Plant in the early 1980s. The first building is the X-1020 Emergency Operations Center and next to it is the plant's Fire Department. These facilities are currently leased to USEC. As part of the shared site requirements, USEC provides emergency response for the entire plant site. Along with USEC, DOE and its contractors staff an EOC cadre and participate in routine emergency drills and exercises. Next to the Fire Department is USEC's X-112 Computer Center. To the right, across the street from the Fire Department, is the X-3000 Building (providing office space for Bechtel Jacobs and subcontractors working on Infrastructure activities). At the end of the road is the two-story brick X-1000 Administration Building. Both of these buildings are DOE managed facilities.

4. X-1000 GCEP Administration Building (DOE-managed; partial USEC Lease)

The X-1000 Administration Building is a 73,700 sq. ft. modern two story steel-framed building with concrete block and a brick exterior. The building is currently being renovated and will have offices/cubicles to accommodate approximately 220 personnel, expected to be relocated from other GCEP buildings to provide space for USEC's centrifuge deployment. The X-1000 is presently unoccupied except for a second floor document storage vault and adjacent TLD badge processing area, still leased to USEC.

The bus will enter the GDP areas through the X-1107BV Interconnecting Portal. Protective Force Officer escorting bus will ensure no holdup of the tour group at the Interconnecting Portal.

5. X-622 Groundwater Treatment Facility (DOE-managed)

The X-622 Groundwater Treatment Facility is the small light beige building on the right behind the X-744K Lithium Warehouse. It was constructed in 1991 to treat groundwater contamination using an activated carbon and green sand filtration. The X-622 receives contaminated groundwater from the extraction pumps south of the X-231B Oil Biodegradation Plot, the X-749 Landfill and the Peter Kiewit Landfill. The treatment facility was upgraded in FY 2002 to increase the flow volume to accommodate groundwater from 11 new extraction wells in the Five-Unit Groundwater Plume area (Note: point out extraction well as bus passes by). This facility treats approximately 1.2 million gallons of groundwater per month. The X-622 is one of five groundwater treatment facilities at the site. Four are operating and one is in standby.

6. X-744K Lithium Warehouse (DOE-managed; OANG-leased)

The large yellow/tan warehouse next to the X-622 Groundwater Treatment Facility is the X-744K Warehouse that was previously used to store lithium hydroxide. There were a total of seven on-site warehouses used to store lithium at one time. All the lithium has been sold by DOE to private vendors and removed from the site. This warehouse is currently leased to the Ohio Army National Guard. Six other lithium warehouses are empty - three of the six lithium warehouses will be transferred to the new DUF6 conversion contractor.

7. X-231A and B Oil Biodegradation Plots (DOE-managed)

As we travel east on Fifth Street, you will notice the former X-231A and B Oil Biodegradation Plots to the right that have been capped under the site's remediation program. These units are now in the DOE's S&M program. Groundwater monitoring wells will continue to be sampled in the area.

8. X- 600 Steam Plant (USEC Leased)

The X-600 Steam Plant, on your right, is leased to USEC and is used to heat the Gaseous Diffusion Plant facilities. The structure has three bent tube coal-fired boilers to generate steam.

The bus will park outside Door #6 of the X-326 Process Building. Tour participants will enter the building and be shown the L-Cage DOE waste storage area and the DOE Material Storage Area (DMSA) #5 and #6.

9. X-326 and X-330 Process Buildings (USEC Leased)

Turning left onto Pike Avenue, you can view two of the three large gaseous diffusion process buildings that are leased to USEC, the X-326 and X-330 Process Buildings. These buildings are very similar to the gaseous diffusion buildings at Paducah. However, the X-326 Building, to your immediate left, was the final step to uranium enrichment at Portsmouth, where the highly enriched uranium was produced. At one time, this plant could produce enriched uranium greater than 95% assay. Each of these buildings is over a half mile long. They are now in Cold Standby mode, where the facilities are being maintained for potential restart within an 18-24 month period, if necessary. The maintenance of 158 HEU shutdown cells is an ongoing activity in the X-326 Process Building. We will de-board the bus to enter the X-326 Process Building and visit a couple of DOE storage areas.

We will proceed to the X-326 L-Cage storage area, the only other RCRA Part B permitted storage area for DOE. The L-Cage material consists of three major groups that are designated for HEU recovery: 1) oil-leak gunk; 2) filter ash; and 3) incinerator ash. Oil-leak gunk and filter ash are characterized as byproducts and can be shipped to Nuclear Fuel Services. Discussions are underway with Ohio EPA regarding the incinerator ash. There are 124 containers of this material in the L-Cage consisting of 12.5 kg U and 9.6 kg U-235. In addition, there are 452 containers of HEU waste material in the L-Cage that DOE will be responsible for disposition.

We will go to DOE Material Storage Areas # 5 and #6 which are representative DMSAs. These DMSAs are used to store surplus equipment and TSCA (PCB) solid wastes. DOE originally had a total of 44 DMSAs. Thirteen DMSAs have been emptied but are still designated for use from time to time to support waste projects.

Tour Participants will exit the X-326 Building and re-board bus for continuation of tour, driving by several GDP facilities on way to the next stop, the X-744G Uranium Management Center.

9. X-770 Mechanical Test Building (DOE Managed)

The X-770 Building (located on your right) is approximately 23,000 sq. ft. and was built in 1954 as a test loop facility to test gaseous diffusion equipment prior to being installed into the GDP process buildings. This facility is a Deferred Unit and is also under consideration for a D&D demonstration pilot project by DOE. It is listed as one of the 14 inactive facilities for removal.

10. X-710 Technical Services Building (USEC Leased)

The X-710 Technical Services Building is to your right. This facility is leased to USEC and includes an NRC-licensed laboratory. DOE currently utilizes this laboratory for some of its environmental sampling analyses.

11. X-300 Plant Control Facility (USEC Leased)

Turning right onto 10th Street, the X-300 Plant Control Facility is located to your left. This is the hub of the gaseous diffusion plant, which houses the Plant Shift Superintendent's Office. This is the first area of response for any incidents at the plant. This facility has operated non-stop, 24 hours a day, since the plant was built in the early 1950s.

12. X-102 Cafeteria, X-101 Health Services, and X-100 USEC Administration Building (USEC Leased)

As we turn the corner north onto Mahoning Avenue, please notice the small building to your right. This is the X-102 Cafeteria, the only operating cafeteria on plant site. It is leased by USEC. To the rear of the cafeteria is the two-story USEC X-100 Administration Building, which was built as a "temporary" facility in the early 1950s. To the right of the cafeteria is the X-101 plant medical facility with a doctor on staff. We will return to the cafeteria for lunch after our visit to the X-744G Uranium Management Center and the X-623 Groundwater Treatment Facility.

13. X-720 Maintenance and Stores Building (USEC Leased)

Following Mahoning Avenue to the end, we will turn right onto 12th Street and then left onto Jackson Avenue. The large building straight ahead is the X-720 Maintenance and Stores Building, currently leased by USEC. This building has been used to repair the large pieces of equipment from the process buildings. There is also a paint shop, carpentry shop, sheet metal shop and other maintenance facilities in this building.

14. X-700 Converter Shop and Cleaning Building, and X-705 Decontamination Building (USEC Leased)

As we head to the X-744G Uranium Management Center, the two large buildings to the left are leased to USEC. The X-700 Cleaning Facility is closest to the road and behind it is the X-705 Decontamination Building. Use of two vapor degreasers in the X-700 Building, using heated TCE for many years until the late 1980s, resulted in contamination of the surrounding groundwater and in the X-701B Holding Pond area. These buildings are currently being utilized by USEC while the plant is in cold standby.

The bus will turn left onto Brown Avenue and go to the south side of the X-744G Bulk Storage Building (Uranium Management Center) where participants will get off the bus and tour the facility. TLDs are required in this facility.

15. X-744G Uranium Management Center (DOE)

We are approaching the large brown facility, called the X-744G Bulk Storage Building, and we will get off the bus and tour this area. The facility is a DOE-managed building used to provide interim storage for surplus uranium material from Fernald, Hanford, and several universities from across the country. Approximately 4,500 metric tons of uranium material is in designated storage locations within the X-744G Building. Some of this material is being marketed by DOE for other potential reuse. Activities will include dispositioning the existing uranium materials either through reuse, sales, or disposal of the material.

Participants will walk from the X-744G to the adjacent X-623 Groundwater Treatment Facility before re-boarding the tour bus.

16. X-623 Groundwater Treatment Facility (DOE)

The X-623 Groundwater Treatment Facility is one of four treatment facilities currently being operated by DOE's contractors to treat contaminated groundwater on-site. This facility treats groundwater from the X-701B Holding Pond area. A Dense Non-Aqueous Phase Liquids (DNAPL) separator was installed in the facility in FY 2002. The facility treats approximately 400,000 gallons of groundwater per month.

Tour participants will re-board the bus and return to the X-102 Cafeteria where they will have box lunches in the semi-private dining room. The bus will park at the X-750 Garage, across the street from the Cafeteria. After lunch, the attendees will re-board the bus to complete the driving tour of the Gaseous Diffusion Plant facilities before exiting E-Vehicle Portal for a

driving tour outside the limited security area. The bus will follow Pike Avenue north, passing by the X-330 and X-333 Process Buildings. It will then turn left onto 20th Street, traveling by the USEC-leased X-344 Shipping and Transfer Facilities and the DOE DUF6 cylinder storage yards.

17. X-330 and X-333 Process Buildings (USEC Leased)

The X-330 Gaseous Diffusion Process Building is on your left. The X-333 Process Building is coming up on your right. Both facilities are leased to USEC but there are DMSAs in each of these process buildings. The maintenance of the PCB collection and containment troughing system in these buildings and the cleanup and disposal of PCB spills and leaks are ongoing DOE legacy waste activities. Each building is approximately ½ mile long. The X-333 is the first of the three gaseous diffusion process buildings where the GDP operations began. It houses the largest pieces of equipment, which required the most electrical power consumption. During peak operations, the Portsmouth plant used over 2000 megawatts of electricity daily – as much as a city the size of Cleveland.

The bus will turn left onto 20th Street. This will take the tour group by USEC's X-344 Shipping and Transfer Facility and to the DOE's depleted uranium storage yards.

18. X-745 C&E DUF6 Storage Yards (DOE)

DOE is responsible for about 19,000 cylinders of depleted uranium hexafluoride (DUF6), currently stored in two storage yards. As we turn left off 20th Street onto Scioto Avenue, you can see the X-745E cylinder storage yard to the right behind the cooling towers and the X-745C storage yard directly ahead and to the right. These cylinders will be converted to a more stable form through the new DUF6 Conversion Plant, that is scheduled to begin construction by the end of July this year by Uranium Disposition Services. As a note, DOE has prepared a Draft Environmental Impact Statement (EIS) for the construction of a conversion facility at Portsmouth and the EIS is expected to be finalized by July. Once agreement is reached with the State of Ohio, an additional 2,800 DUF6 cylinders are to be shipped from the East Tennessee Technology Park to Portsmouth for eventual conversion.

19. X-740 Phytoremediation Project (DOE)

A total of 765 hybrid poplar trees were planted in 1998-99 over a 2.6-acre area to treat a low-concentration TCE groundwater plume. The X-740 project just completed its first five-year performance review. The X-740 Waste Oil Storage Facility is one of the 14 inactive facilities identified for removal.

Bus will then pass through the Interconnecting Portal, and travel down Grebe Avenue to exit the E-Vehicle Portal to begin the driving tour, outside the limited area, along the Perimeter Road.

20. XT-860A Rubb Building (DOE)

The XT-860A Rubb Tent is one of two relocateable Rubb buildings used on-site by the Waste Disposition Program. The other Rubb tent is located southwest of the X-7725 Building and will be seen as we travel around the Perimeter Road. The buildings are used to store low-level waste and other materials out of the weather. Each membrane structure is on a paved surface covering about 23,200 sq. ft.

21. X-7745R Recycle/Assembly Storage Yard (DOE)

The X-7745R is a concrete storage pad managed by the Waste Disposition Project and used for the storage of low-level waste (primarily containerized scrap metal) until it can be dispositioned. The pad encompasses 292,000 sq. ft.

22. X-7725A Waste Accountability Facility (DOE)

As the bus prepares to exit the E-Vehicle Portal, the tan warehouse on the right is the X-7725A Waste Accountability Facility. This building is a one-story, high bay, slab-on-grade steel frame structure with insulated metal siding and metal roof. The building has 29,400 sq. ft. of low-level waste storage area.

Bus will exit E-Vehicle Portal. Tour participants will maintain security badges until they return to the Comfort inn.

23. X-3346 GCEP Feed and Withdrawal Building (DOE)

As we travel south on the plant Perimeter Road, I would like to point out that three of the former lithium warehouses are located on the hill to your right. These three lithium warehouses are identified as Deferred Units. The large building to the left with the yellow piping we are approaching just south of the GCEP facilities is the X-3346 GCEP Feed and Withdrawal Building. It is currently unoccupied.

24. X-625 Groundwater Treatment Facility (DOE)

To your left, in the ravine, is the X-625 Groundwater Treatment Facility, constructed in 1995. This was built as a test facility utilizing a horizontal groundwater well to transport groundwater from the X-749/120 plume to the facility through natural gravity flow. It has since been placed in standby.

25. X-749/120 Phytoremediation Project (DOE)

As we round the curve, we are now located on the southernmost area of the DOE reservation. To your left is an environmental remediation project that was implemented over the past two years to plant approximately 3,000 hybrid poplar trees to treat a TCE-contaminated groundwater plume.

26. X-749 Landfill (DOE)

The large mound to your left is the X-749 Contaminated Materials Disposal Facility, which was capped in 1992 and had additional corrective measures taken in the past two years to install a slurry barrier wall around the landfill. There are six landfills onsite and all have been closed and capped and are now under the S&M program. Groundwater monitoring wells continue to be sampled and evaluated in this area. No operating landfill exists at PORTS.

27. X-749 South Barrier Wall Investigation (DOE)

To the right of the bus, an investigation is currently underway to further evaluate rate and extent of the groundwater plume emanating south from the X-749 Landfill toward the plant property boundary. A 1,077 ft. long subsurface slurry wall was built in 1994 as an interim remedial measure to contain groundwater. The investigation is to determine whether the plume is migrating further south of the barrier wall.

28. X-749B Peter Kiewit Landfill (DOE)

The X-749B Peter Kiewit Landfill is located just to the right of the X-749 Landfill. It was used as a construction spoils landfill by Peter Kiewit, the original construction contractor of the plant back in the early 1950s. This landfill was capped in 1998 and is in the S&M program. About 1,000 ft. of Big Run Creek was relocated away from the landfill prior to capping.

Driving Tour will continue to travel around the plant Perimeter Road, pointing out the X-749A Landfill cap, the USEC main entrance and the back side of the X-744G Uranium Management Center. The bus will travel down the East Access Road/Fog Road so the DOE tour guide can mention the X-701B Interceptor Trench, the X-624 Groundwater Treatment Facility and the X-611A Prairie that are located along Fog Road.

29. X-749A Classified Burial Yard (DOE)

The X-749A Classified Landfill is located to the east of the Steam Plant. A multi-layered soil cap was installed in 1994 over the six-acre landfill, used for the disposal of classified equipment, computer tapes, etc.

30. X-701B Interceptor Trench/X-624 Groundwater Treatment Facility (DOE)

An 1100-ft. trench system, utilizing a french drain groundwater collection system, was constructed in the fall of 1991 to contain the X-701B groundwater plume and prevent TCE from migrating into Little Beaver Creek, located to the right of the roadway. The X-624 Groundwater Treatment Facility treats groundwater from the interceptor trench. It treats on an average 250,000 gallons per month.

31. X-611A Prairie (DOE)

The X-611A Prairie is a completed remediation site that is now in the S&M program. The prairie encompasses approximately 18 acres and a controlled burn of a third of the prairie is conducted each year under the remedial actions approved by Ohio EPA.

32. X-735 Sanitary Landfill (DOE)

As the bus turns off Fog Road and onto the North Access Road, the DOE tour guide will mention that the X-735 closed former sanitary landfill, located to the right of the bus, was capped in 1995.

The bus will turn right onto Perimeter Road from the North Access Road and continue to the northwest side of the plant site. The DOE tour guide will point out the DUF6 cylinder storage yards to the left and the USEC-leased X-745G cylinder storage yard and the X-747H Scrap Metal Storage Yard Project on the right.

33. X-745G Cylinder Storage Yard (DOE)

DOE and USEC are in the process of de-leasing a portion of this storage lot to accommodate the DUF6 cylinders planned to be shipped to Portsmouth from the East Tennessee Technology Park.

34. X-747H Scrap Metal Storage Yard (DOE)

The X-747H Scrap Metal Storage Yard was identified as a Deferred Unit but was accelerated in 2000 to provide work for displaced USEC workers, due to the shutdown of the enrichment operations. About 7,400 tons of low-level radiologically contaminated scrap metal was located at the scrap yard over a 7-acre area. Much of this material was generated from a large upgrade project to replace gaseous diffusion equipment in the process buildings. Scrap metal is being dispositioned by both truck and rail shipments to Envirocare in Utah and the Nevada Test Site.

35. X-734 Construction Spoils Landfill (DOE)

The X-734 Landfill encompasses a northern and southern portion totaling approximately 16 acres. The southern portion of the landfill was capped in 1999 and the northern portion was completed in 2000. A small phytoremediation area was a part of this remedial action. Groundwater wells continue to be monitored in this area.

36. UDS Conversion Plant Site

As the bus concludes the site tour and prepares to exit on the West Access Road, the DOE tour guide will point out the location for the proposed Uranium Disposition Services Conversion Plant to the left of the bus.

Bus will leave the plant site via West Access Road. The guide should point out the air sampling station (on the right just before the OVEC Building) that is a part of the Environmental Monitoring Program. DOE tour guide will point out the Ohio Valley Electric Corporation office building on the right. OVEC is a consortium of electric utilities that was formed to provide power through two generating stations (Kyger Creek in Gallipolis, Ohio and Clifty Creek in Indiana) for the Portsmouth plant. The bus will take participants back to Comfort Inn in Piketon. Badges will be collected prior to attendees leaving the bus.

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