

OHIO E.P.A.

BEFORE THE

JUL 16 2012

OHIO ENVIRONMENTAL PROTECTION AGENCY

ENTERED DIRECTOR'S JOURNAL
In the Matter of

United States Department of
Energy

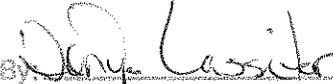
Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

Respondent

For the Site Known As:
The DOE Portsmouth Gaseous
Diffusion Plant (Decontamination
And Decommissioning Project)

:
:
: Director's Final Findings and
: Orders – Second Modification of
: April 13, 2010 Director's Final
: Findings and Orders for Removal
: Action and Remedial Investigation
: And Feasibility Study and Remedial
: Design and Remedial Action

:
:
: I certify this to be a true and accurate copy of the
: official documents as filed in the records of the Ohio
: Environmental Protection Agency.

:
:
:  Date: 7-16-12

These Director's Final Findings and Orders ("Modified Orders") are issued to Respondent United States Department of Energy ("US DOE") pursuant to the authority vested in the Director of Ohio EPA under Ohio Revised Code ("ORC") §§ 3704.03, 3734.13, 3734.20, 6111.03, and 3745.01. U.S. DOE enters these Modified Orders pursuant to Section 104 of CERCLA, 42 U.S.C. Section 9604, Executive Order 12580, and the Atomic Energy Act of 1954, as amended, 42 U.S.C. Section 2011, et seq.

I. FINDINGS

1. On April 13, 2010, Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action ("D&D Orders") were issued to the U.S. DOE regarding the DOE Portsmouth Gaseous Diffusion Plant (Decontamination and Decommissioning Project) located in Piketon, Pike County, Ohio. The D&D Orders were modified on September 12, 2011, to correct Attachments G, H, and J to the D&D Orders.

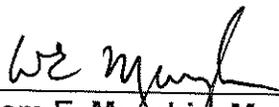
2. Modification of Attachment H to the D&D Orders, as modified on September 12, 2011, to add the proposed X-690 Steam Plant is necessary to support the overall Decontamination and Decommissioning (D&D) Project at the Portsmouth Gaseous Diffusion Plant.

II. ORDERS

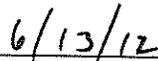
IT IS SO AGREED:

UNITED STATES DEPARTMENT OF ENERGY

BY:



William E. Murphy, Manager
Portsmouth/Paducah Project Office



Date

ATTACHMENT H

List of Remedial Action (RI/FS) Process Buildings and Complex Facilities

No.	Facility No.	Facility Name/Description
1	X-326	Process Building & Instrumentation Tunnel
2	X-330	Process Building & Instrumentation Tunnel
3	X-333	Process Building & Instrumentation Tunnel
4	X-700 & 700 A	Converter Shop & Cleaning Building
5	X-705, 705E&705D	Decontamination Building
6	X-710	Technical Service Building
7	X-720	Maintenance & Stores Building
*8	B	<i>Pad in Field East of X-109A (near X-740)</i>
*9	C	<i>Oil Switch Yard West of X-109A Pad (near X-740)</i>
*10	E	<i>X-700 "0000" Compressor Base Foundation</i>
*11	H	<i>Old Firing Range Shed</i>
*12	I	<i>Peter Kiewit Powder Magazine</i>

* By written agreement of the Site Coordinators, facilities/buildings noted herein with an asterisk (*) can be moved to Attachment G. Any facility/building that is moved to Attachment G shall be evaluated in compliance with, *inter alia*, paragraphs 17, 18, and 19 of the DFF&O. Note, those facilities/buildings that are not marked with an asterisk cannot be moved to Attachment G without a modification to the DFF&O pursuant to paragraph 72 of the DFF&O.

Note: The list of facilities above excludes environmental media (soil, sediment, pond, and groundwater) other than residual soil as discussed in Section III. Definitions, Paragraph 5.e. Decontamination and Decommissioning.

No.	Facility No.	Facility Name/Description
*13	J	X-1000 Pavilion
*14	X-100	Administration Building (slab and below-grade structures)
*15	X-104A	Indoor Firing Range Building
*16	X-104B	Protective Forces Office Trailer
*17	X-104C	Protective Forces Shower/Locker Trailer
*18	X-105	Electronic Maintenance Building (front apron/concrete pad and driveway)
*19	X-106B	Old Fire Training Building (slab and below-grade water tank)
*20	X-108A	South Portal and Shelter-Drive Gate
*21	X-108B	North Portal and Shelter
*22	X-108E	Construction Entrance Portal
*23	X-108J	West Security Portal
*24	X-108K	North Security Portal
*25	X-108L	East Security Portal

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No.	Facility No.	Facility Name/Description
*40	X-208B	SNM Security Fence
*41	X-210	Sidewalks
*42	X-215A	Electrical Distribution to Process Buildings
*43	X-215B	Electrical Distribution to Other Areas
*44	X-215C	Exterior Lighting
*45	X-215D	Electrical Power Tunnels
*46	X-220A	Instrumentation Tunnels
*47	X-220B1	Process Instrumentation Lines
*48	X-220B2	Carrier Communication Systems
*49	X-220B3	Water Supply Telemetry Lines
*50	X-220C	Superior American Alarm System
*51	X-220D1	General Telephone System
*52	X-220D2	Process Telephone System
*53	X-220D3	Emergency Telephone System

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Note: The list of facilities above excludes environmental media (soil, sediment, pond, and groundwater) other than residual soil as discussed in Section III. Definitions, Paragraph 5.e. Decontamination and Decommissioning.

No.	Facility No.	Facility Name/Description
*68	X-230A	Sanitary and Fire Water Distribution System
*69	X-230A3	Ambient Air Monitoring Station
*70	X-230A6	Ambient Air Monitoring Station
*71	X-230A8	Ambient Air Monitoring Station
*72	X-230A9	Ambient Air Monitoring Station
*73	X-230A10	Ambient Air Monitoring Station
*74	X-230A12	Ambient Air Monitoring Station
*75	X-230A15	Ambient Air Monitoring Station
*76	X-230A23	Ambient Air Monitoring Station
*77	X-230A24	Ambient Air Monitoring Station
*78	X-230A28	Ambient Air Monitoring Station
*79	X-230A29	Ambient Air Monitoring Station
*80	X-230A36	Ambient Air Monitoring Station
*81	X-230A37	Ambient Air Monitoring Station
*82	X-230A40	Ambient Air Monitoring Station

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No.	Facility No.	Facility Name/Description
*96	X-230J5	West Holding Pond Oil Separation Station
*97	X-230J6	Northeast Holding Pond Monitoring Facility and Secondary Oil Collection Building
*98	X-230J7	East Monitor Facility (East Holding Pond Oil Separation Building)
*99	X-230J8	Environmental Storage Building (slab)
*100	X-232A	Nitrogen Distribution System
*101	X-230M	Clean Test Site
*102	X-232B	Dry Air Distribution System
*103	X-232C1	Tie Line X-342 to X-330
*104	X-232C2	Tie Line X-330 to X-326
*105	X-232C3	Tie Line X-330 to X-333
*106	X-232C4	Tie Line X-326 to X-770
*107	X-232C5	Tie Line X-343 to X-333

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No.	Facility No.	Facility Name/Description
*121	X-342C	Waste HF Neutralization Pit (below-grade structures)
*122	X-344A	UF6 Sampling Facility
*123	X-344C	Hydrogen Fluoride Storage Building (foundations and piers)
*124	X-344D	HF Neutralization Pit (Below Grade)
*125	X-344E	Gas Ventilation Stack (Below Grade)
*126	X-344F	Safety Building (below-grade structures)
*127	X-344H	Security Portal
*128	X-345	SNM Storage Building
*129	X-501	Substation
*130	X-501A	Substation
*131	X-502	Substation
*132	X-515	330 kV Tie Line Between X-530 and X-533

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No.	Facility No.	Facility Name/Description
*146	X-600	Steam Plant (slab and below-grade structures)
*147	X-600A	Coal Yard (structures)
*148	X-600D	Utilities Maintenance Field Office
*149	X-605	Sanitary Water Control House
*150	X-605A	Well Field
*151	X-608	Raw Water Pump House
*152	X-608A	Well Field
*153	X-608B	Well Field
*154	X-611	Water Treatment Plant (slab and below-grade structures)
*155	X-611A	Old Lime Sludge Lagoon (structures)
*156	X-611B	Lagoon (structures)
*157	X-611B1	Lagoon Supernatant Pumping Station
*158	X-611B2	Lagoon Supernatant Pumping Station

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No.	Facility No.	Facility Name/Description
*170	X-617	South Holding Pond pH Control Facility
*171	X-622	South Groundwater Treatment Facility
*172	X-623	North Groundwater Treatment Building
*173	X-624	Little Beaver Groundwater Treatment Facility
*174	X-625	Groundwater Passive Treatment Facility
*175	X-626-1	Recirculating Water Pump House (slab and below-grade structures)
*176	X-626-2	Cooling Tower (below-grade structures)
*177	X-627	Groundwater Pump & Treatment Facility
*178	X-630-1	Recirculating Water Pump House (slab and below-grade structures)
*179	X-630-2A	Cooling Tower (below-grade structures)
*180	X-630-2B	Cooling Tower (below-grade structures)
*181	X-630-3	Acid Handling Station (saddles and basin)

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No.	Facility No.	Facility Name/Description
*195	X-701A	Lime House (below-grade structures)
*196	X-701D	Water De-ionization Facility (below-grade structures)
*197	X-701E	Neutralization Building
*198	X-701F	Effluent Monitoring Facility
*199	X-701 T1	Trailer
*200	X-710A	Technical Service Gas Manifold Shed
*201	X-710B	Explosion Test Facility
*202	X-720A	Maintenance & Stores Gas Manifold Shed (below grade structures)
*203	X-720B	Radio Base Station
*204	X-720C	Paint & Storage Building
*205	X-720 T01	Office Trailer
*206	X-721	Radiation Instrument Calibration
*207	X-741	Oil Drum Storage Facility

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No.	Facility No.	Facility Name/Description
*223	X-744Y T9	Trailer
*224	X-745B	Toll Enrichment Gas Yard
*225	X-745D	Cylinder Storage Yard
*226	X-745F	North Process Gas Stockpile Yard
*227	X-745G-2	Cylinder Storage Yard
*228	X-746	Material Receiving and Inspection (portions of above- and below-grade structures)
*229	X-747	Clean Scrap Yard
*230	X-747A	Material Storage Yard (below-grade structures)
*231	X-747B	Material Storage Yard Pads and Equipment
*232	X-747C	Material Storage Yard Pads and Equipment
*233	X-747D	Material Storage Yard Pads and Equipment
*234	X-747E	Material Storage Yard Pad
*235	X-747G	Precious Metal Scrap Yard (below-grade structures)

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No.	Facility No.	Facility Name/Description
*250	X-2230T1	Recirculating Heating Water System (East of Valve Pits "A" and "B")
*251	X-2232E	Gas Pipeline
*252	X-6619	Sewage Treatment Plant

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