

2. COMPLIANCE SUMMARY

2.1 SUMMARY

DOE PORTS or the responsible DOE contractor holds a permit for discharge of water to surface streams, several air emission permits, and a permit for the storage of hazardous wastes. The DOE is responsible for preparing a number of reports for compliance with environmental regulations. These reports include an annual groundwater monitoring report, an annual hazardous waste report, an annual PCB document log, an annual summary of radionuclide air emissions and the associated dose to the public from these emissions, an annual report of specified non-radiological air emissions, a monthly report of National Pollutant Discharge Elimination System (NPDES) monitoring data, a quarterly radiological discharge monitoring report for NPDES outfalls, an annual hazardous chemical inventory, and an annual toxic chemical release inventory. Additional information on each of these reports is provided within this chapter.

USEC is responsible for compliance activities directly associated with the operations that are leased from the DOE, including air emission permits for uranium enrichment facilities, water discharge permits for several holding ponds and water treatment facilities, and management of wastes generated by current USEC operations.

DOE PORTS is inspected regularly by the federal, state, and local agencies responsible for enforcing environmental regulations at PORTS. DOE PORTS did not receive any Notices of Violation for inspections conducted during 2007.

2.2 INTRODUCTION

The DOE is responsible for the Environmental Restoration Program, Waste Management Program, Uranium Program, and operation of all facilities not leased to USEC. USEC is responsible for compliance activities directly associated with the operations that are leased from the DOE, including air emission permits for uranium enrichment facilities and water discharge permits for several holding ponds and water treatment facilities. USEC is also responsible for the management of wastes generated by current USEC operations.

DOE PORTS and/or DOE PORTS contractors (LPP, TPMC, and UDS) hold two NPDES permits for discharge of water to surface streams, several air emission permits, and a Resource Conservation and Recovery Act (RCRA) Part B permit for the storage of hazardous wastes. Appendix B lists the active DOE PORTS environmental permits and registrations for 2007.

Several federal, state, and local agencies are responsible for enforcing environmental regulations at DOE PORTS. Primary regulatory agencies include the U.S. Environmental Protection Agency (EPA) and Ohio EPA. These agencies issue permits, review compliance reports, conduct joint monitoring programs, inspect facilities and operations, and oversee compliance with applicable regulations.

DOE PORTS conducts self-assessments to identify environmental issues and consults the regulatory agencies to identify the appropriate actions necessary to achieve and maintain compliance.

2.3 COMPLIANCE STATUS

This section discusses the DOE PORTS compliance status with respect to environmental laws and regulations, DOE Orders, and Executive Orders.

2.3.1 Environmental Restoration and Waste Management

This section discusses the DOE PORTS compliance status with U.S. EPA and Ohio EPA regulations pertaining to environmental restoration and waste management.

2.3.1.1 Comprehensive Environmental Response, Compensation, and Liability Act

DOE PORTS is not on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) National Priorities List of sites requiring priority cleanup. The U.S. EPA Administrative Consent Order, issued on September 29, 1989 (amended in 1994 and 1997), and Consent Decree with the State of Ohio, issued on August 29, 1989, require the investigation and cleanup of surface water and air releases, groundwater contamination plumes, and solid waste management units at PORTS. The U.S. EPA and Ohio EPA oversee environmental remediation activities at DOE PORTS under the RCRA Corrective Action Program and CERCLA Program.

PORTS was divided into quadrants based on groundwater flow patterns to facilitate the expedient cleanup of contaminated sites in accordance with RCRA corrective action and closure requirements. The Environmental Restoration Program at PORTS addresses requirements of the Ohio Consent Decree and U.S. EPA Administrative Consent Order. Chapter 3, Section 3.2, provides additional information on the Environmental Restoration Program.

Section 103 of CERCLA requires notification to the National Response Center if hazardous substances are released to the environment in amounts greater than or equal to the reportable quantity. Reportable quantities are listed in the Act and vary depending on the type of hazardous substance released. During 2007, DOE PORTS had no reportable quantity releases of hazardous substances subject to Section 103 notification requirements.

2.3.1.2 Emergency Planning and Community Right-To-Know Act

The Emergency Planning and Community Right-To-Know Act of 1986, also referred to as the Superfund Amendments and Reauthorization Act Title III, requires reporting of emergency planning information, hazardous chemical inventories, and releases to the environment. Emergency Planning and Community Right-To-Know Act reports are submitted to federal, state, and local authorities.

For emergency planning purposes, facilities must submit information on chemicals present on site above specified quantities (called the threshold planning quantity) to state and local authorities. When a new chemical is brought on site or increased to exceed the threshold planning quantity, information about the new chemical must be submitted to state and local authorities within three months. In January 2007, TPMC notified state and local authorities that calcium chloride is now present at PORTS in quantities exceeding the threshold planning quantity. Calcium chloride is used for de-icing of roads and walkways.

Section 304 of the Emergency Planning and Community Right-To-Know Act requires reporting of off-site reportable quantity releases to state and local authorities. During 2007, DOE PORTS had no reportable quantity releases.

The Hazardous Chemical Inventory Report includes the identity, location, storage information, and hazards of the chemicals present on site in amounts above the threshold planning quantities specified by the U.S. EPA. This report is submitted annually to state and local authorities. DOE PORTS reported the following chemicals for 2007: aluminum oxide, argon, asbestos, calcium chloride, calcium oxide, carbon dioxide, citric acid, diesel fuel, ethylene glycol, fluorotrichloromethane (Freon-11), gasoline, hydrogen fluoride, hydrogen peroxide, kerosene, lubricating oil, fuel oil, methanol, nitric acid, nitrogen, PCBs, propane, sodium chloride, sodium fluoride, sodium hydroxide, sulfuric acid, transformer oil, triuranium octaoxide, uranium dioxide, uranium hexafluoride, uranium metal, uranium tetrafluoride, and uranium trioxide.

The Toxic Chemical Release Inventory is sent annually to the U.S. EPA and Ohio EPA. This report details releases to the environment of specified chemicals when they are manufactured, processed, or otherwise used by the entire site (including USEC) in amounts that exceed threshold quantities specified by the U.S. EPA. For this report, the U.S. EPA defines a release to include on-site treatment, off-site disposal, and recycling conducted in accordance with regulations.

For 2007, DOE PORTS reported the release, on-site treatment, and/or off-site transfer of three chemicals: lead compounds, nitrate compounds, and aerosol sulfuric acid. Releases were in compliance with applicable NPDES or air emission permits. Lead compounds and nitrate compounds were present in waste disposed or recycled off site by DOE PORTS. Nitrate compounds and aerosol sulfuric acid were produced by the recirculating hot water system used to heat former DOE PORTS buildings from January 2007 through September 28, 2007. Operation of this system was transferred to USEC beginning on September 29, 2007 because the buildings heated by this system were transferred to USEC for use by the American Centrifuge Plant.

USEC reported the release, off-site transfer, and/or on-site treatment of six chemicals in 2007: chlorine, dichlorotetrafluoroethane, nitrate compounds, sulfuric acid, hydrochloric acid, and lead compounds.

2.3.1.3 Resource Conservation and Recovery Act

RCRA regulates the generation, accumulation, storage, transportation, and disposal of solid and hazardous wastes. Wastes are designated as hazardous by the EPA because of various chemical properties, including ignitability, corrosivity, reactivity, and toxicity. RCRA also regulates wastes that are called "solid waste," although these wastes can be solids, liquids, sludges, or other materials.

Hazardous waste. During 2007, DOE and LPP held a permit to store hazardous waste in the X-7725 and X-326 buildings. The permit, often called a Part B Permit, was issued to DOE PORTS in 1995 and renewed by the Ohio EPA in 2001. The permit governs the storage of hazardous waste and includes requirements for waste identification, inspections of storage areas and emergency equipment, emergency procedures, training requirements, and other information required by the Ohio EPA.

The USEC, Inc. American Centrifuge Plant is being installed at PORTS in the existing X-7725 building. In 2007, DOE completed closure of the existing permitted RCRA storage areas in the X-7725 building, which was required prior to allowing USEC, Inc. use of the areas. In general, closure of RCRA storage areas includes removing stored waste, cleaning the area (as necessary), sampling to ensure that the area meets closure standards set by the Ohio EPA, and submittal of a report and certification to the Ohio EPA. The Ohio EPA reviews the report and approves the closure, at which time the area can be removed from the facility's Part B Permit. Ohio EPA approved the closure of the storage areas and their removal from the Part B permit in July 2007.

As of the end of 2007, DOE was permitted to store hazardous waste within seven designated areas of the X-326 building (38,105 square feet or 0.9 acre).

Facilities such as PORTS that generate or store hazardous waste are required to submit an annual report to the Ohio EPA. This annual report contains the name and address of each facility that waste was shipped to during the previous calendar year, the name and address of the transporter for each waste shipment, the description and quantity of each waste stream shipped off site, and a description of waste minimization efforts. PORTS submitted the report for calendar year 2007 to the Ohio EPA in February 2008. Chapter 3, Section 3.3, Waste Management Program, provides additional information on wastes from PORTS that were recycled, treated, or disposed in 2007.

RCRA may also require groundwater monitoring at hazardous waste units. As discussed in Chapter 6, groundwater monitoring requirements at PORTS have been integrated into one document, the *Integrated Groundwater Monitoring Plan*. Hazardous waste units included in the *Integrated Groundwater Monitoring Plan* are the X-231B Southwest Oil Biodegradation Plot, X-616 Chromium Sludge Surface Impoundments, X-701B Holding Pond, X-701C Neutralization Pit, X-735 RCRA Landfill (northern portion), and X-749 Contaminated Materials Storage Yard (northern portion). Other hazardous waste units at PORTS (the X-744Y Container Storage Area, X-701B surface impoundments, and X-230J7 Holding Pond) are being remediated as part of the RCRA Corrective Action Program at PORTS and are also monitored in accordance with the *Integrated Groundwater Monitoring Plan*. Chapter 6 discusses the groundwater monitoring requirements for these units.

A groundwater report that summarizes the results of monitoring completed in accordance with the *Integrated Groundwater Monitoring Plan* is submitted annually to Ohio EPA. Chapter 6 discusses these monitoring results for 2007.

Solid waste. Groundwater monitoring may be required at closed solid waste disposal facilities, such as landfills. Groundwater monitoring requirements for the closed X-734 Landfills, X-735 Industrial Solid Waste Landfill, and X-749A Classified Materials Disposal Facility are included in the *Integrated Groundwater Monitoring Plan*. Chapter 6 discusses the groundwater monitoring results for these units in 2007.

2.3.1.4 Federal Facility Compliance Act

DOE PORTS currently stores waste that is a mixture of RCRA hazardous waste and low-level radioactive waste. RCRA hazardous waste is subject to Land Disposal Restrictions, which with limited exceptions do not allow the storage of hazardous waste for longer than one year. The Federal Facility Compliance Act, enacted by Congress in October 1992, allows for the storage of mixed hazardous/low-level radioactive waste for longer than one year because treatment for this type of waste is not readily available. The Act also requires federal facilities to develop and submit site treatment plans for treatment of mixed wastes. On October 4, 1995, the Ohio EPA issued Director's Final Findings and Orders allowing the storage of mixed waste beyond one year and approving the DOE PORTS Proposed Site Treatment Plan. An annual update to the Site Treatment Plan is required by these Director's Final Findings and Orders. The annual update to the Site Treatment Plan for fiscal year 2007 was submitted to the Ohio EPA in December 2007.

2.3.1.5 Toxic Substances Control Act

The Toxic Substances Control Act (TSCA) regulates the use, storage, and disposal of PCBs. The electrical power system at PORTS, which is leased by USEC, uses oil-based circuit breaker transformers

and large high-voltage capacitors, both containing PCB oil. One hundred-twenty PCB transformers and approximately 11,099 large PCB capacitors are either in service or stored for reuse at PORTS.

In February 1992, a TSCA Federal Facilities Compliance Agreement between the DOE and U.S. EPA addressing PCB issues became effective and resolved several compliance issues. These issues included the use of PCBs in systems that are not totally enclosed, storage of wastes containing both PCBs and radionuclides in accordance with nuclear criticality safety requirements, and storage of wastes containing both PCBs and radionuclides for longer than one year. The agreement required installation of troughs under motor exhaust duct gaskets located in production facilities to collect PCB oil leaks. When leaks or spills of PCBs occur, they are managed in accordance with the Federal Facilities Compliance Agreement.

Annual reports of progress made toward milestones specified in the Federal Facilities Compliance Agreement are submitted to the U.S. EPA. In the first quarter of 2007, the concentration of PCBs detected in two air samples collected in the X-326 building (0.96 and 1.05 micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]) exceeded the threshold reporting value in the compliance agreement ($0.5 \mu\text{g}/\text{m}^3$). This threshold reporting value is well below the health and safety limit of $500 \mu\text{g}/\text{m}^3$. These results were reported to the U.S. EPA in accordance with the compliance agreement. DOE PORTS was in compliance with the requirements and milestones of this Federal Facilities Compliance Agreement during 2007.

DOE PORTS operates a number of storage areas for PCB wastes. An annual document log is prepared to meet regulatory requirements. The document log provides an inventory of PCB items in use, in storage as waste, and shipping/disposal information for PCB items disposed in 2007. The *2007 PCB Document Log for the Portsmouth Gaseous Diffusion Plant* was prepared in June 2008. Approximately 1793 tons (1,626,421 kilograms) of PCB waste were shipped off site in 2007.

In 2005, DOE received approval from U.S. EPA to manage depleted uranium cylinders that may have paint containing greater than 50 parts per million (ppm) of PCBs present on the outside of the cylinders. These cylinders may be stored in the X-745C, X-745E and X-745G Cylinder Storage Yards. The agreement includes monitoring of PCBs in surface water and sediment in drainage basins downstream from the DOE cylinder storage yards. Chapter 5, Sections 5.4.3 and 5.5.2 provide the results of this sampling.

2.3.1.6 Federal Insecticide, Fungicide, and Rodenticide Act

No restricted-use pesticides were used by DOE PORTS in 2007.

2.3.2 Radiation Protection

This section discusses the DOE PORTS compliance status with DOE Orders pertaining to radiation protection and management of radioactive waste.

2.3.2.1 DOE Order 5400.5, *Radiation Protection of the Public and the Environment*

DOE Order 5400.5 provides guidance and establishes radiation protection standards and control practices designed to protect the public and the environment from undue radiological risk from operations of DOE and DOE contractors. The order requires that off-site radiation doses do not exceed 100 millirem (mrem)/year above background for all exposure pathways. Chapter 4 provides the dose calculations for compliance with this DOE Order.

2.3.2.2 DOE Order 435.1 *Radioactive Waste Management*

The objective of DOE Order 435.1 is to ensure that radioactive waste is managed in a manner that is protective of worker and public health and safety, and the environment.

Low-level radioactive waste is generated and stored in accordance with the *Authorization Agreement and Radioactive Waste Management Basis for Portsmouth Gaseous Diffusion Plant Facilities and Material Storage Areas* and its implementing procedures. Chapter 3, Section 3.3 provides additional information about the Waste Management Program at DOE PORTS.

2.3.3 Air Quality and Protection

This section discusses the DOE PORTS compliance status with U.S. EPA and Ohio EPA regulations pertaining to air emissions (both radionuclides and non-radiological pollutants) and stratospheric ozone protection.

2.3.3.1 Clean Air Act

DOE PORTS had four permitted air emission sources, three registered air emission sources, and four permitted sources under construction by UDS at the end of 2007 (see Appendix B). DOE PORTS submitted a letter to Ohio EPA in May 2007 withdrawing the air emission permit for the X-744G Glovebox. The air permit associated with the boilers used to heat the X-7725 building was transferred to USEC on September 29, 2007, because use of the X-7725 building has been transferred to USEC for the American Centrifuge Plant. Radiological air emissions from the DOE air emission sources are discussed in Chapter 4 and non-radiological air emissions are discussed in Chapter 5.

DOE PORTS is not a major source of air pollutants as defined in Title 40 of the *Code of Federal Regulations*, Part 70. USEC is the only major source at the PORTS site, with three boilers at the X-600 Steam Plant emitting the majority of the pollutants that cause the designation as a major source. Chapter 5, Section 5.3.1, provides additional information for PORTS non-radiological air emissions and the annual Ohio EPA Fee Emission Report for non-radiological air pollutants.

2.3.3.2 Clean Air Act, Title VI, Stratospheric Ozone Protection

As part of the Stratospheric Ozone Protection Plan, the DOE has instituted a record-keeping system consisting of forms and labels to comply with the Title VI record-keeping and labeling requirements. These requirements affect all areas that use ozone-depleting substances in units or devices. The appliance service record and retrofit or retirement plan forms apply to units with a capacity of more than 50 pounds. The refrigeration equipment disposal log and associated appliance disposal label are used by all units regardless of capacity. The contractor technicians who service air conditioning/refrigeration units under DOE control have been trained in accordance with U.S. EPA requirements.

USEC uses an ozone-depleting substance, specifically dichlorotetrafluoroethane, as a coolant in the cascade system formerly used to produce enriched uranium. In 2007, USEC estimated that 22,000 pounds of dichlorotetrafluoroethane were released to the air.

2.3.3.3 National Emission Standards for Hazardous Air Pollutants

The National Emission Standards for Hazardous Air Pollutants require DOE PORTS to submit an annual report for radiological emissions from DOE PORTS sources. The DOE and LPP are responsible for five sources of radionuclide emissions including the X-622, X-623, X-624, X-627 Groundwater

Treatment Facilities, and the X-326 L-cage Glove Box. The groundwater treatment facilities are radionuclide sources subject to these standards, because the facilities use air strippers to remove volatile organic compounds from groundwater that is also contaminated with radionuclides. There were no emissions from UDS air emission sources in 2007.

Radiological emissions from DOE PORTS in 2007 are based on emissions from the X-326 L-cage Glove Box and the X-622, X-623, X-624, and X-627 Groundwater Treatment Facilities. Emissions from the groundwater treatment facilities were conservatively estimated based on periodic emissions testing and annual throughput (X-622 and X-627) or influent/effluent sampling and annual throughput (X-623 and X-624). Emissions from the X-326 Glove Box were based on the mass of the materials transferred within the glove box, analytical data available for each material, and emission factors provided by the EPA. Based on these assumptions, radiological air emissions from the X-326 Glove Box and the X-622, X-623, X-624, and X-627 Groundwater Treatment Facilities in 2007 were 0.0006 curie. Chapter 4, Section 4.3.3, provides the radiological dose calculations from these emissions.

2.3.4 Water Quality and Protection

This section discusses the DOE PORTS compliance status with U.S. EPA and Ohio EPA regulations pertaining to water quality and protection.

2.3.4.1 Clean Water Act

DOE PORTS contractors, LPP and UDS, hold two NPDES permits that allow discharges of water to surface streams. The LPP NPDES permit, effective December 2002, encompasses eight monitored outfalls. Three of the outfalls are classified as point-source discharges to waters of the state, and the other five outfalls are internal outfalls classified as effluents. Water from four of these internal outfalls is treated in the USEC Sewage Treatment Plant before reaching waters of the state. Water from the fifth internal outfall is discharged to the X-2230M Holding Pond, which discharges to DOE PORTS NPDES Outfall 012. Chapter 4, Section 4.3.5.1, and Chapter 5, Section 5.4.1.1, provide additional information on the LPP NPDES outfalls.

LPP submitted an NPDES permit renewal application to Ohio EPA on May 30, 2007. The new NPDES permit was issued by Ohio EPA on April 15, 2008 and became effective on May 1, 2008. The December 2002 NPDES permit was in effect throughout 2007.

UDS was issued an NPDES permit that became effective on June 1, 2007, for the discharge of process wastewaters from the Depleted Uranium Hexafluoride Conversion Facility. There were no discharges from the UDS NPDES outfall in 2007.

Data required to demonstrate compliance with the NPDES permit are submitted to Ohio EPA in a monthly operating report (see Chapter 5, Section 5.4.1.1). None of the NPDES permit effluent limitations was exceeded during 2007; therefore, the overall DOE NPDES compliance rate for 2007 was 100%. A quarterly discharge monitoring report that provides radiological monitoring data for the LPP NPDES outfalls is also submitted to Ohio EPA (see Chapter 4, Section 4.3.5).

2.3.5 Other Environmental Statutes

This section discusses the DOE PORTS compliance status with other U.S. EPA and Ohio EPA regulations, including underground storage tank regulations, the Endangered Species Act, and others.

2.3.5.1 Underground storage tank regulations

The Underground Storage Tank Program is managed in accordance with the Ohio State Fire Marshal's Bureau of Underground Storage Tank Regulations. Seven underground storage tanks are owned by DOE PORTS and leased to USEC. The registrations for these tanks are renewed annually.

2.3.5.2 National Environmental Policy Act

The National Environmental Policy Act requires evaluation of the environmental impacts of activities at federal facilities and of activities funded with federal dollars.

DOE PORTS has a formal program dedicated to compliance pursuant to DOE Order 451.1, *National Environmental Policy Act Compliance Program*. Restoration actions, waste management, enrichment facilities maintenance, and other activities are evaluated to determine the appropriate level of evaluation and documentation. Routine operation and maintenance activities are also evaluated to assess potential environmental impacts. Most activities at PORTS qualify for a categorical exclusion as defined in the regulations. These activities are considered routine and have no significant individual or cumulative environmental impacts.

2.3.5.3 Endangered Species Act

The Endangered Species Act of 1973, as amended, provides for the designation and protection of endangered and threatened wildlife and plants, and the habitat on which such species depend. When appropriate, formal consultations are made with the U.S. Fish and Wildlife Service and the Ohio Department of Natural Resources. A site-wide threatened and endangered species habitat survey and an Indiana bat (*Myotis sodalis*) survey were completed in August 1996. No Indiana bats were found at PORTS. Few potential critical habitats were identified, and a report of the survey activities and results was provided to the Ohio Department of Natural Resources as required by the Federal Fish and Wildlife permit obtained to conduct the survey. No additional activities were completed in 2007.

2.3.5.4 National Historic Preservation Act

The National Historic Preservation Act of 1966 is the primary law governing the protection of cultural resources (archaeological and historical properties). Cultural resource reviews are conducted on a case-by-case basis, and consultations with the Ohio State Historic Preservation Office are made as required by Section 106 of the Act. A programmatic agreement among the DOE, the Ohio Historic Preservation Office, and the Advisory Council on Historic Preservation concerning the management of historical and cultural properties at DOE PORTS is under development.

Phase I of the historical/archaeological survey was completed in September 1996. Fieldwork for Phase II of the project was completed in May 1997. Artifacts from the 1940s and 1950s were uncovered as well as remains from former dwellings that were present prior to construction of PORTS. Results from the survey will be coordinated with the Ohio Historic Preservation Office, and a Cultural Resources Management Plan will be developed.

In 2007, DOE PORTS notified the Ohio Historic Preservation Office of the proposed removal of two inactive support facilities at PORTS, the X-744T and X-744U Warehouses. These warehouses are not considered historically significant to PORTS.

2.3.5.5 Archaeological and Historic Preservation Act and Archaeological Resources Protection Act

The Archaeological and Historic Preservation Act and the Archaeological Resources Protection Act require the Secretary of the Department of Interior to report to Congress on various federal archaeological activities. The Archaeological Resources Protection Act requires federal land managers to provide archaeology program information to the Secretary of the Interior for this report; a questionnaire is completed by DOE PORTS annually. An archaeological survey of an area in the southwest corner of PORTS was completed in 2003. No sensitive archaeological sites were identified on DOE property in this area.

2.3.5.6 Farmland Protection Policy Act

The Farmland Protection Policy Act of 1981 requires federal agencies to consider the effects of their proposed actions on prime farmland. Prime farmland is generally defined as land that has the best combination of physical and chemical characteristics for producing crops of statewide or local importance. When required, prime farmland surveys are conducted, and consultations with the U.S. Department of Agriculture's Natural Resources Conservation Service are made. No prime farmland activities were conducted at DOE PORTS in 2007.

2.3.6 DOE Order 450.1, *Environmental Protection Program*

DOE Order 450.1, *Environmental Protection Program*, requires development and implementation of an Environmental Management System (EMS) in order to protect air, water, land, and other natural or cultural resources potentially impacted by DOE operations.

LPP, TPMC, and UDS have developed the following EMS criteria, as applicable: site EMS policy statement, EMS implementation training, identification of significant environmental aspects of site operations, establishment of measurable environmental objectives and targets, EMS awareness training (initial and ongoing), and establishment of EMS procedures. Because the UDS facility is under construction and will not be operational until 2009, UDS has not yet established measurable environmental objectives and targets. DOE completed the self-declaration protocol for establishment of the EMS in June 2006.

2.3.7 Executive Orders

An Executive Order is issued by a member of the executive branch of the government. Most Executive Orders are issued by the President to various federal agencies, including the DOE. This section discusses the DOE PORTS compliance status with Executive Orders pertaining to the environment.

2.3.7.1 Executive Order 13423, *Strengthening Federal Environmental, Energy, and Transportation Management*

On January 24, 2007, Executive Order 13423 was issued requiring federal facilities to conduct their environmental, transportation, and energy-related activities in an environmentally, economically and fiscally sound, integrated, continuously improving, efficient, and sustainable manner.

Chapter 3, Section 3.4, provides a summary of the DOE PORTS Environmental Sustainability Program and associated activities for 2007.

2.3.7.2 Executive Order 11988, *Floodplain Management*, and Executive Order 11990, *Protection of Wetlands*

Part 1022 of Title 10 of the Code of Federal Regulations establishes policy and procedures for compliance with Executive Order 11988, *Floodplain Management*, and Executive Order 11990, *Protection of Wetlands*.

The site-wide wetland survey report was completed and submitted to the Corps of Engineers in 1996. There are 41 jurisdictional wetlands and four non-jurisdictional wetlands totaling 34.361 acres at PORTS. During 2007, no DOE activities were conducted in jurisdictional wetlands.

2.4 OTHER MAJOR ENVIRONMENTAL ISSUES AND ACTIONS

This section summarizes environmental inspection at DOE PORTS during 2007 and the results of these inspections.

2.4.1 Environmental Program Inspections

During 2007, 18 inspections of the DOE PORTS programs were conducted by federal, state, or local agencies. Table 2.1 lists these inspections. DOE PORTS received no Notices of Violation resulting from these inspections.

2.5 UNPLANNED RELEASES

No unplanned releases from DOE PORTS were reported in 2007.

2.6 SUMMARY OF PERMITS

Appendix B lists the permits held by DOE PORTS in 2007.

Table 2.1. Environmental inspections at DOE PORTS for 2007

Date	Agency	Type	Notices of Violation
March 13	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-749A, X-735)	None
March 22	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-740 and Five-Unit area groundwater plume)	None
March 28	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-734, X-622, X-701C, X-720)	None
April 3	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-749/X-120 groundwater plume)	None
April 17	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-749 landfill)	None
May 8	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-700, X-705 sumps)	None
June 20	Pike County Health Department and Ohio EPA	Closed solid waste landfills: X-749A, X-749, and X-735 (solid waste portion)	None
June 28	Ohio EPA	RCRA closure activities	None
July 10	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-701B area, X-705, X-623, X-627, X-720)	None
August 7-8	Ohio EPA and U.S. EPA	RCRA	None
August 15	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-230J7 pond, X-616, X-231A/X-231B)	None
August 28	Ohio EPA	RCRA Corrective Action surveillance and maintenance (PK Landfill)	None
October 2	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-749 landfill)	None
October 16	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-700 tanks, X-701C, X-342)	None
October 31	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-749A landfill)	None
November 20	Ohio EPA	RCRA Corrective Action surveillance and maintenance (Don Marquis Holding Pond, X-744 warehouses)	None
November 27	Ohio EPA	RCRA Corrective Action surveillance and maintenance (X-533, X-230J6 Holding Pond)	None
December 18	Ohio EPA	NPDES	None

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