8. REFERENCES

- American Nuclear Society 1986. *Glossary of Terms in Nuclear Science and Technology*, LaGrange Park, IL.
- Biological Effects of Ionizing Radiations 1990. *Health Effects of Exposure to Low Levels of Ionizing Radiation*, Committee on the Biological Effects of Ionizing Radiations (BEIR V), National Research Council, National Academy of Sciences, National Academy Press, Washington, D.C.
- DOE 1995. Memorandum, Pelletier to Pearson: *Requirements for Control of Settleable Solids*, Air, Water and Radiation Division: EH-412, Washington D.C., December 6.
- DOE 1998a. Quadrant III Cleanup Alternatives Study/Corrective Measures Study Final Report for Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/OR/12-1360&D3, POEF-ER-4619&D3, U.S. Department of Energy, Piketon, OH, April.
- DOE 1998b. Quadrant IV Cleanup Alternatives Study/Corrective Measures Study Final Report for Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/OR/12-1332&D3, POEF-ER-4609&D3, U.S. Department of Energy, Piketon, OH, August.
- DOE 2000. Quadrant I Cleanup Alternatives Study/Corrective Measures Study Final Report for Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/OR/12-1248&D6, U.S. Department of Energy, Piketon, OH, May.
- DOE 2001. Quadrant II Cleanup Alternatives Study/Corrective Measures Study Final Report for Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/OR/12-1223&D5, U.S. Department of Energy, Piketon, OH, February.
- DOE 2002a. A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota, DOE-STD-1153-2002, U.S. Department of Energy, Washington, D.C., July.
- DOE 2002b. X-611A Prairie and X-749B Peter Kiewit Landfill Five-Year Evaluation Report for the Portsmouth Gaseous Diffusion Plant, DOE/OR/11-3110&D1, U.S. Department of Energy, Piketon, OH, August.
- DOE 2003. Five-Year Evaluation Report for the X-740 Phytoremediation Project at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/OR/11-3135&D1, U.S. Department of Energy, Piketon, OH, October.
- DOE 2007a. Corrective Measures Plan for the X-735 Landfill at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0019&D4, U.S. Department of Energy, Piketon, OH, October.
- DOE 2007b. Supplemental Evaluation to the 2003 Five Year Evaluation Report for the X-740 Phytoremediation Area at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0038&D1, U.S. Department of Energy, Piketon, OH, January.
- DOE 2008a. First Five-Year Review for the Five-Unit Groundwater Investigative Area and X-231A/ X-231B Oil Biodegradation Plots at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0054&D2, U.S. Department of Energy, Piketon, OH, April.

8-1 FBP / 2017 ASER 1/24/2019

- DOE 2008b. First Five-Year Review for the X-734 Landfill Area at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0073&D2, U.S. Department of Energy, Piketon, OH, December.
- DOE 2008c. Second Five-Year Review for the X-611A Prairie at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0072&D2, U.S. Department of Energy, Piketon, OH, December.
- DOE 2008d. Second Five-Year Review for the X-749B Peter Kiewit Landfill at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0053&D2, U.S. Department of Energy, Piketon, OH, March.
- DOE 2010. Community Relations Plan for the U.S. Department of Energy's Decontamination and Decommissioning Project at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0128&D1, U.S. Department of Energy, Piketon, OH, June.
- DOE 2011a. *Derived Concentration Technical Standard*, DOE-STD-1196-2011, U.S. Department of Energy, Washington, D.C., April.
- DOE 2011b. First Five-Year Review for the X-749/X-120 Groundwater Plume at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0187V1&D1, DOE/PPPO/03-0187V2&D1, U.S. Department of Energy, Piketon, OH, January.
- DOE 2012. Addendum to the Community Relations Plan for the U.S. Department of Energy's Decontamination and Decommissioning Project at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0128&D2/A1, U.S. Department of Energy, Piketon, OH, September.
- DOE 2013a. Second Five-Year Review for the Five-Unit Groundwater Investigative Area and X-231A/X-231B Oil Biodegradation Plots at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0490&D1, U.S. Department of Energy, Piketon, OH, September.
- DOE 2013b. Second Five-Year Review for the X-734 Landfill Area at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0559&D1, U.S. Department of Energy, Piketon, OH, December.
- DOE 2013c. Third Five-Year Review for the X-611A Prairie at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0482&D2, U.S. Department of Energy, Piketon, OH, July.
- DOE 2013d. *Third Five-Year Review for the X-749B Peter Kiewit Landfill at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio*, DOE/PPPO/03-0489&D1, U.S. Department of Energy, Piketon, OH, September.
- DOE 2014. Final Report for the 7-Unit Interim Remedial Measure at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0606&D1, U.S. Department of Energy, Piketon, OH, October.
- DOE 2015a. Deferred Units Resource Conservation and Recovery Act Facility Investigation/Corrective Measures Study Work Plan at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0252&D3, U.S. Department of Energy, Piketon, OH, March.
- DOE 2015b. *Integrated Groundwater Monitoring Plan for the Portsmouth Gaseous Diffusion Plant*, *Piketon, Ohio*, DOE/PPPO/03-0032&D8, U.S. Department of Energy, Piketon, OH, July.

8-2 FBP / 2017 ASER 1/24/2019

- DOE 2015c. Record of Decision for Process Buildings and Complex Facilities Decontamination and Decommissioning Evaluation Project at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0425&D2, U.S. Department of Energy, Piketon, OH, July.
- DOE 2015d. Record of Decision for the Site-wide Waste Disposition Evaluation Project at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0513&D2, U.S. Department of Energy, Piketon, OH, June.
- DOE 2015e. Remedial Design/Remedial Action Work Plan for the On-site Waste Disposal Facility Initial Site Preparation and Construction Activities at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0691&D1, U.S. Department of Energy, Piketon, OH, September.
- DOE 2016a. Addendum to Remedial Design/Remedial Action Work Plan for On-site Waste Disposal Facility Initial Site Preparation and Construction Activities at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, Phase II Initial Site Construction Addendum, DOE/PPPO/03-0691&D1/A1, U.S. Department of Energy, Piketon, OH, September.
- DOE 2016b. Final Report for the X-740 Pilot Study at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPO/03-0748&D1, U.S. Department of Energy, Piketon, OH, May.
- DOE 2016c. Remedial Design/Remedial Action Work Plan and Remedial Design for the Process Buildings Deactivation at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio Deactivation of X-326, X-330, X-333, X-111A, X-111B, X-232C1, X-232C2, X232C3, X-232C4, and X-232C5, DOE/PPPO/03-0665&D2, U.S. Department of Energy, Piketon, OH, April.
- DOE 2016d. Second Five-Year Review for the X-749/X-120 Groundwater Plume at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0756&D1, U.S. Department of Energy, Piketon, OH, June.
- DOE 2017a. Deferred Units Resource Conservation and Recovery Act Facility Investigation/Corrective Measures Study Report at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0772&D1, U.S. Department of Energy, Piketon, OH, September.
- DOE 2017b. Environmental Monitoring Plan for the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0009&D5, U.S. Department of Energy, Piketon, OH, April.
- DOE 2017c. Fiscal Year 2018 Site Sustainability Plan for the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0838&D1, U.S. Department of Energy, Piketon, OH, December.
- DOE 2017d. *Integrated Groundwater Monitoring Plan for the Portsmouth Gaseous Diffusion Plant*, *Piketon, Ohio*, DOE/PPPO/03-0032&D10, U.S. Department of Energy, Piketon, OH, August.
- DOE 2017e. Methods for Conducting Human Health Risk Assessments and Risk Evaluations at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0127&D9, U.S. Department of Energy, Piketon, OH, June.
- DOE 2017f. *The Role of the Portsmouth Gaseous Diffusion Plant in Cold War History*, DOE/PPPO/03-0683&D1, U.S. Department of Energy, Piketon, OH February.
- DOE 2018. 2017 Groundwater Monitoring Report for the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, DOE/PPPO/03-0847&D1, U.S. Department of Energy, Piketon, OH, March.

8-3 FBP / 2017 ASER 1/24/2019

- FBP 2014. Comprehensive Summary Report of Cultural Resource Investigations Conducted at the Portsmouth Gaseous Diffusion Plant (PORTS Facility), Scioto and Seal Townships, Pike County, Ohio, FBP-ER-GEN-BG-RPT-0055, Revision 4, Gray & Pape, Inc., Cincinnati, OH, May.
- Hamby, D. M. 1991. *LADTAP XL: An Improved Electronic Spreadsheet Version of LADTAP II*, DE93003179, Westinghouse Savannah River Company, Aiken, SC.
- Health Physics Society 2010. *Environmental Radiation* (Fact Sheet Adopted January 2010), available at hps.org (accessed March 2, 2016).
- Jannik and Dixon 2006. *LADTAP-PA: A Spreadsheet for Estimating Dose Resulting from E-Area Groundwater Contamination at the Savannah River Site*, Savannah River National Laboratory, Aiken, SC.
- McGraw-Hill 1989. *McGraw-Hill Dictionary of Scientific and Technical Terms*, 4th ed., McGraw-Hill, Inc., NY.
- National Council on Radiation Protection 2009. *Ionizing Radiation Exposure of the Population of the United States*, NCRP Report No. 160, National Council on Radiation Protection and Measurements, Bethesda, MD.
- Ohio EPA 1996a. Decision Document Peter Kiewit Landfill, U.S. DOE Portsmouth, Pike County, Ohio, Ohio Environmental Protection Agency, Columbus, OH, May.
- Ohio EPA 1996b. *Decision Document X-611A Solid Waste Management Unit U.S. DOE Portsmouth, Pike County, Ohio*, Ohio Environmental Protection Agency, Columbus, OH, June.
- Ohio EPA 1999a. Ohio Environmental Protection Agency's Decision Document for Quadrant III of the Portsmouth Gaseous Diffusion Plant, Ohio Environmental Protection Agency, Columbus, OH, March.
- Ohio EPA 1999b. *The Decision Document for the X-734 Landfill Area in Quadrant IV of the Portsmouth Gaseous Diffusion Plant*, Ohio Environmental Protection Agency, Columbus, OH, September.
- Ohio EPA 2000. *U.S. DOE Portsmouth QIV Decision Document*, Ohio Environmental Protection Agency, Columbus, OH, September.
- Ohio EPA 2001. U.S. DOE Portsmouth Quadrant I Decision Document Portsmouth Gaseous Diffusion Plant, Ohio Environmental Protection Agency, Columbus, OH, March.
- Ohio EPA 2003. *Ohio EPA's Decision Document for the X-701B SWMU in Quadrant II of the U.S. DOE Portsmouth Facility, Piketon, Ohio*, Ohio Environmental Protection Agency, Columbus, OH, December.
- Ohio EPA 2010. State of Ohio Cooperative Fish Tissue Monitoring Program Sport Fish Tissue Consumption Advisory Program, State of Ohio, Columbus, OH, October.
- Ohio EPA 2012. The April 13, 2010 Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action, including the July 16, 2012 Modification thereto, Ohio EPA, Columbus, OH, July 16.

8-4 FBP / 2017 ASER 1/24/2019

- Ohio EPA 2018. *Ohio Sport Fish Consumption Advisory*, Ohio EPA Division of Surface Water, Columbus, OH, April.
- U.S. Census Bureau 2018. U.S. Census Bureau, census.gov, population estimates for 2017, (accessed July 10, 2018).
- U.S. EPA 1988. Federal Guidance Report No. 11 (FGR 11) Limiting Values of Radionuclide Intake and Air Concentration and Dose Conversion Factors for Inhalation, Immersion, and Ingestion, EPA-520/1-88-020, U.S. Environmental Protection Agency, Washington, D.C.
- U.S. EPA 1997a. *Exposure Factors Handbook*, EPA/600/P-95/002Fa, U.S. Environmental Protection Agency, Washington, D.C.
- U.S. EPA 1997b. Record of Decision/Statement of Basis Peter Kiewit Landfill United States Department of Energy Portsmouth Gaseous Diffusion Plant Pike County, Ohio, U.S. Environmental Protection Agency, Washington, D.C. May.
- U.S. EPA 2017. Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) June 2017, Screening level for PCB-1254/PCB-1260 in residential soil, epa.gov/risk/risk-based-screening-table-generic-tables (accessed November 3, 2017).
- Westinghouse Savannah River Company 1994. Savannah River Site Environmental Report for 1993, Summary Pamphlet, Savannah River, GA.

8-5 FBP / 2017 ASER 1/24/2019