8.0 BIBLIOGRAPHY

Burghardt, J. 2003. "Capitol Reef National Park (Utah): Rainy Day and Duchess Uranium Mines—Site Characterization (September 2002)." Preliminary results presented at U.S. Department of the Interior Conference on the Environment. Phoenix, Arizona, May 13, 2003.

Buxton, H.T., D.A. Nimick, P. von Guerard, S.E. Church, A.G. Frazier, J.R. Gray, B.R. Lipin, S.P. March, D.F. Woodward, B.A. Kimball, S.E. Finger, L.S. Ischinger, J.C. Fordham, M.S. Power, C.M. Bunck, and J.W. Jones. 1997. A Science-based, Watershed Strategy to Support Effective Remediation of Abandoned Mine Lands: Fourth International Conference on Acid Rock Drainage (ICARD) May 30-June 6, 1997, Vancouver, British Columbia, Canada. http://amli.usgs.gov/reports/icard97/icard97.html

Colon, C.F. Jove, P.V. Brady, M.D. Siegel, and E.R. Lindgren. 2001. *Historical Case Analysis of Uranium Plume Attenuation*. NUREG/CR- 6705 SAND2000-2554. Washington, DC: U.S. Nuclear Regulatory Commission, Office of Nuclear Regulatory Research, February 2001.

Cowherd, C., R. Bohn, and T. Cuscino. 1979. "Iron And Steel Plant Open Source Fugitive Emission Evaluation," EPA-600/2-79-103 Research Triangle Park, North Carolina: U. S. Environmental Protection Agency.

CRCPD (Conference of Radiation Control Program Directors). 2004. *Part N, Regulation and Licensing of Technologically Enhanced Naturally Occurring Radioactive Material (TENORM)*. Suggested State Radiation Control Regulations Volume I. Frankfort, Kentucky: CRCPD. April 2004.

DeLaune, R., J. Pardue, W. Patrick, Jr., and C. Lindau. 1996. *Mobility and Transport of Radium in Sediment and Waste Pits*. Final project report submitted to the South and Southwest Hazardous Substance Research Center, and conducted under EPA Grant Number R8255 13. Baton Rouge, Louisiana: Louisiana Water Resources Research Institute, March 1996.

ESRI (Environmental Systems Research Institute, Inc.) 2001. ESRI Data & Maps 2000: An ESRI White Paper. Redlands, California: ESRI, August 2001. http://www.esri.com

Ferderer, D.A. 1996. *National Overview of Abandoned Mine Land Sites Utilizing the Minerals Availability System and Geographic Information System (GIS) Technology*. Open-File Report 96-549. Reston, Virginia: U.S. Department of the Interior, U.S. Geological Survey, 1996.

Finch, W. 1998. Unpublished compilation of uranium production data from U.S. Geological Survey files. 1998.

Flint, A.L., L.E. Flint, E.M. Kwicklis, J.M. Fabryka-Martin, and G.S. Bodvarsson. 2002. "Estimating Recharge at Yucca Mountain, Nevada, USA: Comparison of Methods." *Hydrogeol. J.* 10:180-204.

Higley, K., S.L. Domotor, E.J. Antonio, and D.C. Kocher. 2003. "Derivation of a Screening Methodology for Evaluating Radiation Dose to Aquatic and Terrestrial Biota." *Journal of Environmental Radioactivity* 66 (2003), Nos. 1-2:41-59.

Jones, D., S. Domotor, K. Higley, D. Kocher, and G. Bilyard. 2003. "Principles and Issues in Radiological Ecological Risk Assessment." *Journal of Environmental Radioactivity* 66 (2003), Nos. 1-2:19-39.

Lockheed Martin. 2005. Final Report, Midnite Mine Site, Ecological Risk Assessment, Wellpinit, Washington. September 2005, U.S. EPA Work Assignment Number: 0-081, Lockheed Martin Work Order Number: EAC00081, U.S. EPA Contract Number: EP-C-04-032.

NAS (National Academy of Sciences). 1999a. Evaluation of Guidelines for Exposures to Technologically

Enhanced Naturally Occurring Radioactive Materials. Washington, DC: National Academy Press, 1999.

NAS (National Academy of Sciences). 1999b. *Health Effects of Exposure to Radon: BEIR VI.* Washington, DC: National Academy Press, 1999.

NCRP (National Council on Radiation Protection and Measurements). 1987. *Radiation Exposure of the U.S. Population from Consumer Products and Miscellaneous Sources*. NCRP Report No. 95. Washington, DC: NCRP, December 30, 1987.

Panacea, U.S. Army Corps of Engineers. 2002. *Hydrogeologic Investigation Report for Yazzie 312 Mine, Cameron Area, Arizona*. Produced by Panacea, Inc., under Project No. C00-236. Los Angeles, California: USACE, October 2002.

SC&A (S. Cohen and Associates, Inc). 1993. *Diffuse NORM Wastes: Waste Characterization and Preliminary Risk Assessment*. Prepared for the U.S. Environmental Protection Agency under Contract No. 68D20155. Washington, DC: U.S. EPA, May 1993.

SC&A (S. Cohen and Associates, Inc.) 1989. *Radiological Monitoring at Inactive Surface Mines*. Prepared for the U.S. Environmental Protection Agency. Washington, DC: U.S. EPA, February 1989.

Shapiro, J. 1990. *Radiation Protection: A Guide for Scientists and Physicians*. 3d ed. Cambridge, Massachusetts: Harvard University Press, 1990.

Smith, L. 2002. Written communication containing spreadsheet of U.S. Department of Energy/Energy Information Administration uranium mines database. Washington, DC, 2002.

Sowder, A.G., S.D. Hernandez, A. Bain, L.W. Setlow, and E. Forinash. 2001. *Radiological Survey of a Uranium-Contaminated Hogan in the Oljeto Chapter, San Juan County, UT, Prior to the April 2001 EPA Region IX Removal Action on the Navajo Nation*. Report summarized in the 2001 Health Physics Society Annual Meeting poster presentation "Abandoned Uranium Mines:

- A Continuing Legacy for the Navajo Nation." Washington, DC: U.S. Environmental Protection Agency, Office of Radiation and Indoor Air, August 23, 2001.
- Tachi, Y., T. Shibutani, H. Sato, and M. Yui. 2001. "Experimental and Modeling Studies on Sorption and Diffusion of Radium in Bentonite." *Journal of Contaminant Hydrology* 47 (2001): 171–86.
- UNSCEAR (United Nations Scientific Committee on the Effects of Atomic Radiation). 2000. "UNSCEAR 2000 Report to the General Assembly, with scientific annexes," Vol. I: "Sources," Annex B, "Exposures from Natural Radiation." http://www.unscear.org/unscear/en/publications/2000_1.html
- URS (URS Corporation). 2003. *Preliminary Draft (as of June 13, 2003), Technical Memorandum, Revision 1, Remedial Action Objectives, Midnite Mine Superfund Site, Wellpinit, Washington.* Technical memorandum prepared for U.S. Environmental Protection Agency. Seattle Washington: U.S. EPA, June 2003.
- U.S. DOE (U.S. Department of Energy). 2002. A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota. DOE-STD- 1153-2002. Washington, DC: U.S. DOE, July 2002.
- U.S. DOE/EIA (U.S. Department of Energy, Energy Information Administration). 2003a. *Uranium Industry Annual:* 2002. DOE/EIA-0478(2002). Washington, DC: U.S. DOE, May 2003.
- U.S. DOE/EIA (U.S. Department of Energy, Energy Information Administration). 2003b "Domestic
- Uranium Production Report." Form EIA-85 1. February 2003. http://www.eia.doe.gov/cneaf/nuclear/dupr/qupd.html
- U.S. DOE/EIA (U.S. Department of Energy, Energy Information Administration). 2000. *Data Compilation and Analysis of Costs Relating to Environmental Restoration of U.S. Uranium Production*. Washington, DC: U.S. DOE, March 2000.
- U.S. DOE/EIA (U.S. Department of Energy, Energy Information Administration). 1992. *Domestic Uranium Mining and Milling Industry: 1991 Variability Assessment.* DOE/EIA-0477(91). Washington, DC: U.S. DOE, December 1992.
- U.S. EPA (U.S. Environmental Protection Agency). 2006a. *Technologically Enhanced Naturally Occurring Radioactive Materials from Uranium Mining. Volume 1: Mining and Reclamation Background.* Washington, DC: U.S. EPA, 2006.
- U.S. EPA (U.S. Environmental Protection Agency). 2006b. *Uranium Location Database Compilation*, EPA 402-R-05-009, Washington, DC: U.S. EPA, Office of Air and Radiation, Radiation Protection Division, August 2006.

- U.S. EPA (U.S. Environmental Protection Agency). 2006c. Midnite Mine Superfund Site Spokane Indian Reservation Washington Record of Decision, 415-2328-007 (025), September 26, 2006, Office of Environmental Cleanup, EPA Region 10.
- U.S. EPA (U.S. Environmental Protection Agency). 2004. "Understanding Variation in Partition Coefficient, K_d, Values," Vol. 3, EPA 402-R-04-002C, Washington DC: U.S. EPA, Office of Radiation and Indoor Air, July 2004. http://www.epa.gov/radiation/docs/kdreport/vol3/402-r-04-002c.pdf
- U.S. EPA (U.S. Environmental Protection Agency). 2003a. *EPA Assessment of Risks from Radon in Homes*. EPA/402-R-03-003. Washington, DC: U.S. EPA, Office of Air and Radiation, June 2003.
- U.S. EPA (U.S. Environmental Protection Agency). 2003b. Abandoned Mined Lands Case Study, Lefthand Creek Case Study: Use of NPL as Catalyst for Abandoned Mine Cleanup, November 3. U.S. EPA Office of Solid Waste and Emergency Response. http://www.epa.gov/superfund/programs/aml/tech/lefthand.pdf
- U.S. EPA (U.S. Environmental Protection Agency). 2003c. "Ground-Water Indicator Map for Midnite Mine." November 2003. http://yosemite.epa.gov/r10/cleanup.nsf/webpage/Superfund+(CERCLA)
- U.S. EPA (U.S. Environmental Protection Agency). 2003d. *Guidance—Potential for Radiation Contamination Associated with Mineral and Resource Extraction Industries*. Washington DC: U.S. EPA, Office of Radiation and Indoor Air, April 15, 2003.
- U.S. EPA (U.S. Environmental Protection Agency). 2002. *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites*. Office of Emergency and Remedial Response, *OSWER 93565.4-24* Washington, DC: U.S. EPA, December 2002.
- U.S. EPA (U.S. Environmental Protection Agency, Science Advisory Board). 2001a. *TENORM*—

Evaluating Occurrence and Risks, an SAB Advisory; A Science Advisory Board Advisory on EPA's Approach for Evaluating Occurrence and Risks of Technologically Enhanced Naturally Occurring Radioactive Material (TENORM). EPA-SAB-RAC-ADV-01-001. Washington, DC: U.S. EPA, February 2001.

- U.S. EPA (U.S. Environmental Protection Agency). 2001b. White King/Lucky Lass Superfund Site Record of Decision: Fremont National Forest, Lakeview, Oregon. Seattle, Washington: U.S. EPA, Office of Environmental Cleanup, September 2001.
- U.S. EPA (U.S. Environmental Protection Agency). 2001c. *Better Assessment Science Integrating point and non-points Sources* 2001. http://www.epa.gov/waterscience/basins/bsn3down.htm Document numbers for EPA regions are: EPA-823-C-01-006, BASINS Version 3.0 CDROM, EPA Region 6; EPA-823-C-01-008, BASINS Version 3.0 CDROM, EPA Region 8; EPA-823-C-01-009, BASINS Version 3.0 CDROM, EPA Region 9; and EPA-823-C-01-010, BASINS Version 3.0 CDROM, EPA Region

- 10. (The mineral location data is no longer available on-line from the BASINS site. The EPA metadata for this database is still available on-line at http://www.epa.gov/waterscience/basins/metadata/mines.htm. The GIS layer in BASINS is found at http://www.epa.gov/waterscience/basins/metadata/hydunits.htm.)
- U.S. EPA (U.S. Environmental Protection Agency). 2001d. *Superfund Public Information System CD*. Fourth Quarter, FY01. Washington, DC: U.S. EPA Office of Emergency and Remedial Response, 2001.
- U.S. EPA (U.S. Environmental Protection Agency). 2000a. *EPA Abandoned Mine Site Characterization and Cleanup Handbook*. EPA/910-B-00-001. Washington, DC: U.S. EPA, August 2000.
- U.S. EPA (U.S. Environmental Protection Agency). 2000b. *Soil Screening Guidance for Radionuclides: User's Guide*. EPA/540-R-00-007. Washington, DC: U.S. EPA, October 2000.
- U.S. EPA (U.S. Environmental Protection Agency). 2000c. "National Primary Drinking Water Regulations: Radionuclides. Final Rule." 40 CFR Parts 9, 141, and 142. *Federal Register*. Vol. 65, No. 236, December 7, 2000.
- U.S. EPA (U.S. Environmental Protection Agency). 2000d. *Radionuclides Notice of Data Availability*. Technical Support Document. Washington, DC: U.S. EPA, Office of Ground Water and Drinking Water, Office of Indoor Air and Radiation, and U.S. Geological Survey, March 2000.
- U.S. EPA (U.S. Environmental Protection Agency). 1999. *Understanding Variation in Partition Coefficient, K_d, Values.* EPA/402-R-99-004B. Washington, DC: U.S. EPA, August 1999.
- U.S. EPA (U.S. Environmental Protection Agency). 1998. *Guidelines for Ecological Risk Assessment*. EPA/630-R095-002F. 01 April 1998. Washington, DC: U.S. EPA, April 1998.
- U.S. EPA (U.S. Environmental Protection Agency). 1997a. *Establishment of Cleanup Levels for CERCLA Sites with Radioactive Contamination*. OSWER No. 9200.4-18. Washington, DC: U.S. EPA, August 1997.
- U.S. EPA (U.S. Environmental Protection Agency). 1997b. *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments*. Interim Final Document. EPA/540-R-97-006, OSWER 9285.7-25, PB97-96321 1. Washington, DC: U.S. EPA, Office of Solid Waste and Emergency Response, June 1997.
- U.S. EPA (U.S. Environmental Protection Agency). 1996a. *Soil Screening Guidance: User's Guide*. EPA/540-R-96-018. Washington, DC: U.S. EPA, Office of Solid Waste and Emergency Response, July 1996.

- U.S. EPA (U.S. Environmental Protection Agency). 1996b. *Soil Screening Guidance: Technical Background Document*. EPA/540-R-95-128. Washington, DC: U.S. EPA, Office of Solid Waste and Emergency Response, May 1996.
- U.S. EPA (U.S. Environmental Protection Agency). 1995. Extraction and Beneficiation of Ores and Minerals: Uranium. Vol. 5. Technical Resource Document. EPA/530-R-94-032. Washington, DC: U.S. EPA, Office of Solid Waste, January 1995.
- U.S. EPA (U.S. Environmental Protection Agency, Science Advisory Board). 1994. *An SAB Report: Review of Diffuse NORM Draft Scoping Document*. EPA-SAB-RAC-94-013. Washington, DC: U.S. EPA, May 1994.
- U.S. EPA (U.S. Environmental Protection Agency). 1992. *Framework for Ecological Risk Assessment*. EPA/630/R-92/001. Washington, DC: U.S. EPA, February 1992.
- U.S. EPA (U.S. Environmental Protection Agency). 1989a. *Risk Assessments*, *Environmental Impact Statement*, *NESHAPS for Radionuclides*. Vol. 2. Background Information Document. EPA/520/1-89-006-1. Washington, DC: U.S. EPA, September 1989.
- U.S. EPA (U.S. Environmental Protection Agency). 1989b. "Human Health Evaluation Manual." In *Risk Assessment Guidance for Superfund*. Vol. 1. EPA/540/1-89/002. Washington, DC: U.S. EPA, December 1989.
- U.S. EPA (U.S. Environmental Protection Agency). 1989c. "National Emission Standards for Hazardous Air Pollutants; Radionuclides; Final Rule and Notice of Reconsideration." 40 CFR Part 61 *Federal Register*, Vol. 54, No. 240, December 15, 1989.
- U.S. EPA (U.S. Environmental Protection Agency). 1985. Report to Congress on Wastes from the Extraction and Beneficiation of Metallic Ores, Phosphate Rock, Asbestos, Overburden from Uranium Mining, and Oil Shale. EPA 530/S W-85-003. Washington, DC: U.S. EPA, December 1985.
- U.S. EPA (U.S. Environmental Protection Agency). 1983a. *Report to Congress on the Potential Health and Environmental Hazards of Uranium Mine Wastes*. Vol.1. EPA 520/1-83-007. Washington, DC: U.S. EPA, June 1983.
- U.S. EPA (U.S. Environmental Protection Agency). 1983b. *Report to Congress on the Potential Health and Environmental Hazards of Uranium Mine Wastes*. Vol. 2. EPA 520/1-83-007. Washington, DC: U.S. EPA, June 1983.
- U.S. EPA (U.S. Environmental Protection Agency). 1983c. *Report to Congress on the Potential Health and Environmental Hazards of Uranium Mine Wastes*. Vol. 3. EPA 520/1-83-007. Washington, DC: U.S. EPA, June 1983.
- U.S. EPA (U.S. Environmental Protection Agency). 1979. *Indoor Radiation Exposure Due to Radium-226 in Florida Phosphate Lands*. EPA-520/4-78-013. Washington, DC: U.S. EPA, September 1979.

- U.S. EPA (U.S. Environmental Protection Agency). 1973. *Summary Report of Radiation Surveys Performed in Selected Communities*. Washington, DC: U.S. EPA, Office of Radiation Programs, 1973.
- U.S. EPA (U.S. Environmental Protection Agency). n/d. "Radionuclide Table: Radionuclide Carcinogenicity Slope Factors." http://www.epa.gov/radiation/heast/docs/heast2_table_4-d2_0401.pdf
- U.S. EPA and USACE (U.S. Environmental Protection Agency and U.S. Army Corps of Engineers). 2000. *Abandoned Uranium Mines Project Arizona, New Mexico, Utah—Navajo Lands Project Atlas, 1994–2000.* San Francisco and Los Angeles, California: U.S. EPA and USACE, December 2000.
- USFS (U.S. Forest Service). 1991. *Draft EIS RI/FS for the Cleanup & Rehabilitation of the White King and Lucky Lass Uranium Mines, Fremont National Forest, Lakeview, Oregon.* R6-FRE-00 1-91. Klamath Falls, Oregon: U.S. Department of the Interior, USFS, August 1991.
- Weston (Roy F. Weston, Inc.). 1997. *Draft Final Remedial Investigation Report.* Vol. 1. Oklahoma City, Oklahoma: Kerr-McGee Corporation, August 1997.
- Yu, C., A.J. Zielen, J.-J. Cheng, D.J. LePoire, E. Gnanapragasam, S. Kamboj, J. Arnish, A. Wallo III, W.A. Williams, and H. Peterson. 2001. *User's Manual for RESRAD*. Version 6. Argonne, Illinois: Argonne National Laboratory, Environmental Assessment Division, July 2001.
- Yu, C., D.J. LePoire, J.-J. Cheng, E. Gnanapragasam, S. Kamboj, J. Arnish, B.M. Biwer. A.J. Zielen, W.A.Williams, A. Wallo III, and H. Peterson. 2003. *User's Manual for RESRAD-BUILD Version 3*, ANL/EAD/03-1, Environmental Assessment Division, Argonne National Laboratory, Argonne, Illinois, June 2003. http://web.ead.anl.gov/resrad/documents/ANL-EAD-03-1.pdf.