

## 10. REFERENCES

- 7 CFR 1794.22 Rural Utilities Service, “Environmental Policies and Procedures Implementing NEPA, Categorically Excluded Proposals Requiring an ER,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 2000.
- 10 CFR 100 Nuclear Regulatory Commission, “Reactor Site Criteria,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised January 1, 2000.
- 10 CFR 1021 Department of Energy (DOE), “Energy: National Environmental Policy Act Implementing Procedures,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised January 1, 2000.
- 29 CFR 1910 Occupational Safety and Health Administration (OSHA), “Occupational Safety and Health Standards,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised January 1, 2000.
- 29 CFR 1926 OSHA, “Safety and Health Regulations for Construction,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised January 1, 2000.
- 36 CFR 60 National Parks Services (NPS), Department of the Interior, “National Register of Historic Places,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.
- 36 CFR 800 Advisory Council of Historic Preservation, “Protection of Historic Places,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.
- 40 CFR 50 Environmental Protection Agency (EPA), “Protection of the Environment: National Primary and Secondary Ambient Air Quality Standards,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.
- 40 CFR 53 EPA, “Protection of the Environment: Ambient Air Monitoring Reference and Equivalent Methods,” *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.

- 40 CFR 58 EPA, "Protection of the Environment: Ambient Air Quality Surveillance," *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.
- 40 CFR 60 EPA, "Standards of Performance for New Stationary Sources," *Code of Federal Regulations*, Office of the Federal Register National Archives and Records Administration, U. S. Government Printing Office, Washington, DC, Revised July 1, 2000.
- 40 CFR 112 EPA, "Oil Pollution Prevention," *Code of Federal Regulations*, Office of the Federal Register National Archives and Records Administration, U. S. Government Printing Office, Washington, DC, Revised July 1, 2000.
- 40 CFR 130.7 EPA, "Water Quality Planning and Management, Total Maximum Daily Loads and Individual Water-Quality Based Effluent Limitations," *Code of Federal Regulations*, Office of the Federal Register National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 2000.
- 40 CFR 1500-1508 Council on Environmental Quality (CEQ), "Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act," *Code of Federal Regulations*, Executive Office of the President, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.
- 43 CFR 10.4 Department of the Interior, "Public Lands: Interior – Native American Graves Protection and Repatriation Regulations," *Code of Federal Regulations*, Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office, Washington, DC, Revised July 1, 1999.
- 44 FR 135 U.S. Department of Housing and Urban Development, "Environmental Criteria and Standards, Final Rule," *Federal Register* 44(135): 40860-40866, 1979.
- 59 FR 32 *Federal Register* (FR), 59 FR 32, Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*, White House Office, February 16, 1994.
- 65 FR 20142 DOE, 65 FR 20142, *Notice Of Intent to Prepare an Environmental Impact Statement for the Kentucky Pioneer Integrated Gasification Combined Cycle Demonstration Project, Trapp, KY and Notice of Floodplain Involvement*, U.S. Department of Energy, April 14, 2000.
- 401 KAR 4 State of Kentucky, "Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: Designation of Uses of Surface Water, Water Resources," *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 5 State of Kentucky, "Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: Designation of Uses of Surface Water, Water Quality," *Kentucky Administrative Regulations*, Frankfort, KY, 2000.

- 401 KAR 32 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: Standards Applicable to Generators of Hazardous Waste,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 50 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: Division for Air Quality; General Administrative Procedures,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 51 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: Attainment and Maintenance of the National Ambient Air Quality Standards,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 53 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: Ambient Air Quality Standards,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 59 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: New Source Standards,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 60 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: New Source Performance Standards,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 401 KAR 63 State of Kentucky, “Natural Resources and Environmental Protection Cabinet Department for Environmental Protection: General Standards of Performance,” *Kentucky Administrative Regulations*, Frankfort, KY, 2000.
- 16 USC 470 “Congressional Finding and Declaration of Policy,” Title 16, Conservation; Chapter IA, Historic Sites, Buildings, Objects, and Antiquities; Subchapter II National Historic Preservation, *United States Code*, Washington, D.C., as amended, January 5, 1999.
- 42 USC 4321 et seq. *National Environmental Policy Act* of 1969, January 1, 1970, as amended.
- 42 USC 7401 et seq. *Clean Air Act* of 1970, as amended.
- AHA 1995 American Hospital Association (AHA), *The AHA Guide to the Health Care Field*, American Hospital Association, Chicago, Illinois, 1995.
- BEA 1999 Bureau of Economic Analysis (BEA), *REIS: Regional Economic Information System 1969-1997 (CD-ROM)*, U.S. Department of Commerce, Economics and Statistics Division, Bureau of Economic Analysis, Washington, DC, 1999.
- BLS 2000 Bureau of Labor Statistics, *Local Area Unemployment Statistics*, <http://146.142.4.24/cgi-bin/dsrv?la>, Accessed May 8, 2000.

## References

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- CBP 2000 Bureau of the Census, *County Business Patterns for Clark County, Kentucky*, <http://www.census.gov/epdc/cbp/map/98data/21/049.txt>, 2000.
- Census 1990 Bureau of the Census, *1990 Census Lookup Tables*, <http://homer.ssd.census.gov/cdrom/lookup/990125494>, Accessed May 18, 2001.
- Census 1992 Bureau of the Census, *Census of Population and Housing, 1990: Summary Tape File 3 (CD-ROM) Technical Documentation*, U.S. Department of Commerce, Economics and Statistical Administration, Washington, DC, 1992.
- Census 1994 Bureau of the Census, *County and City Data Book 1994*, U.S. Department of Commerce, Economics and Statistics Administration, Washington, DC, 12<sup>th</sup> Edition, August, 1994.
- Census 1995 Bureau of the Census, *Kentucky Population of Counties by Decennial Census: 1900 to 1990*, Population Division, U.S. Department of Commerce, Washington, DC, 1995.
- Census 1999 Bureau of the Census, *SU-98-9 Population Estimates for States, Counties, Places, and Minor Civil Divisions, Annual Time Series, July 1, 1990 to July 1, 1998*, U.S. Department of Commerce, Population Estimates Program, Population Division, Washington, DC, 1999.
- Census 2000a Bureau of the Census, *CO-99-2 County Population Estimates for July 1, 1999 and Population Change from April 1, 1990 to July 1, 1999*, Population Estimate Program, Population Division, U.S. Department of Commerce, 2000.
- Census 2000b Bureau of the Census, *Poverty Status of People by Family Relationship, Race, and Hispanic Origin: 1959-1999*, <http://www.census.gov/income/histpov/hstpov02.txt>, Accessed May 18, 2001.
- Census 2000c Bureau of the Census, "Profiles of General Demographic Characteristics, Kentucky: 2000." <http://www.census.gov/prod/cen2000/dp1/2kh21.pdf>. Accessed September 24, 2001.
- CEQ 1997 CEQ, D.C., *Considering Cumulative Effects Under the National Environmental Policy Act*, Executive Office of the President, Washington, DC, December 10, 1997.
- ChemExpo 1999 ChemExpo, "Chemical Profile: Sulfur," October 25, 1999, <http://www.chemexpo.com/news/PROFILE991025.cfm>, Accessed July 24, 2001.
- Clark 2001 Welcome to Clark County Kentucky, Populations, <http://www.iclub.org/kentucky/clark>, Accessed May 15, 2001.
- CTS 2001 Kentucky Transportation Cabinet, *Kentucky Traffic Counts Database*, 2001.
- EIV 2000 Radian International, Inc., *Kentucky Pioneer Plant Environmental Information Volume (EIV), Volume I*, Prepared for Global Energy, Inc., Louisville, Kentucky, March 14, 2000.

- EKPC 2000a East Kentucky Power Cooperative (EKPC), letter transmittal from Jeff Homan, Manager of Natural Resources and Environmental Communications of EKPC to Chuck Pergler of Tetra Tech, Inc., July 13, 2000.
- EKPC 2000b EKPC, *Photographs of the Kentucky Pioneer IGCC Demonstration Project Site Location*, transmittal from Jeff Homan, Manager of Natural Resources and Environmental Communications of EKPC to Chuck Pergler of Tetra Tech, Inc., July 17, 2000.
- EPA 1971 EPA, *Noise From Construction Equipment and Operations, Building Equipment, and Home Appliances* (NTID300.1.), U.S. Government Printing Office, Washington, DC, 1971.
- GAP 1998 GAP, “Annual Report, Kentucky GAP Analysis, Vegetation Mapping Annual Report,” April 20, 1998.
- Global Energy 2000a Global Energy, Inc., *Responses to Kentucky Pioneer IGCC Demonstration Project Data Analysis and Evaluation Report*, transmittal from Dwight Lockwood of Global Energy, Inc., Cincinnati, Ohio, to John Preston of U.S. Army Corps of Engineers, Huntington District, June 23, 2000.
- Global Energy 2000b Global Energy, Inc., *Kentucky Pioneer Energy Solid Fuel-Gasifier Feed Strategy Procurement/ Production and Logistic Plans*, transmittal from Dwight Lockwood of Global Energy, Inc., Cincinnati, Ohio, to John Preston of U.S. Army Corps of Engineers, Huntington District, September 7, 2000.
- Goldsmith 1986 Goldsmith, J.R., “Effects on Human Health,” in *Air Pollution, Supplement to Air Pollutants, Their Transformation, Transport, and Effects*, A. C. Stern (Editors), Third Edition, Volume VI, Academic Press, New York, New York, pp. 391-463, 1986.
- Gutierrez 1982 Gutierrez, G., “Carbon Monoxide Toxicity,” *Air Pollution -Physiological Effects*, J. J. McGrath and C. D. Barnes (Editors), Academic Press, New York, New York, pp. 127-145, 1982.
- Horvath and McKee 1994 Horvath, Steven M. and David J. McKee, “Acute and Chronic Health Effects of Ozone,” *Tropospheric Ozone: Human Health and Agricultural Impacts*, David J. McKee, (Editor), Lewis Publishers, Boca Raton, Florida, pp. 39-83, 1994.
- ICSSC 1985 Hays, W.W., An Introduction to Technical Issues in the Evaluation of Seismic Hazards for Earthquake-Resistant Design, Open-File Report 85-371, ICSSC TR-6, prepared for use by Interagency Committee on Seismic Safety in Construction, U.S. Department of the Interior, U.S. Geological Survey, Reston, VA, 1985.
- KDE 2000 Kentucky Department of Education, Kentucky Schools Directory 1999-2000, [http://www.kde.state.ky.us/comm/pubinfofor/kentucky\\_schools\\_directory/](http://www.kde.state.ky.us/comm/pubinfofor/kentucky_schools_directory/), Accessed July 21, 2000.
- KDEP 1998 Kentucky Department of Environmental Protection, 1998 303(d) List of Waters for Kentucky, <http://watr.nr.state.ky.us/303D> , June 22, 1998.

References

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- KDEP 2001            Kentucky Department of Environmental Protection, Permits, <http://www.nr.state.ky.us/nrepc/dep/dep2.htm>, Accessed May 11, 2001.
- KDES 2000            Kentucky Department for Employment Services, Labor Market Information, Kentucky Labor Force Estimates Annual Averages 2000. <http://kycwd.org/des/lmi/labor/clf/annual00.htm>. Accessed September 24, 2001.
- KDPH 2000            Kentucky Department of Health, Kentucky County Health Profiles 1998, Kentucky Department of Public Health, Surveillance and Health Data Branch, [http://www.publichealth.state.ky.us/hd-ky\\_county\\_health\\_profiles.htm#1998](http://www.publichealth.state.ky.us/hd-ky_county_health_profiles.htm#1998) <[http://publichealth.state.ky.us/hd-ky\\_county\\_health\\_profiles.htm](http://publichealth.state.ky.us/hd-ky_county_health_profiles.htm)>, September 2000.
- Kelly and            Kelly, Patrick A. and John T. Rotenberry, *Buffer Zones for Ecological Reserves in*  
Rotenberry 1993        *California: Replacing Guesswork with Science, Interface Between Ecology and*  
*Land Development in California*, J.E. Keeley (Editor), Southern California  
Academy of Sciences, Los Angeles, California, 1993.
- KGS 1975            Kentucky Geological Survey, Geologic Map of the Hedges Quadrangle, East-  
Central Kentucky, 1975.
- KGS 1998            Kentucky Geological Survey, Mineral and Fuel Resources Map of Kentucky,  
[http://www.uky.edu/KGS/pdf/mc11\\_21.pdf](http://www.uky.edu/KGS/pdf/mc11_21.pdf), 1998.
- KGS 2001            Kentucky Geological Survey, "Groundwater Resources of Clark County, Kentucky,  
County Report 25, Series XII," 2001.
- KNREPC 2000        Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC),  
*Kentucky River Basin Status Report*, Kentucky Watershed Management, 2000.
- KPE 2001            Kentucky Pioneer Energy Project (KPE), Additional Data Required for Preparation  
of the Environmental Impact Statement, Supplement to Environmental Information  
Volume, Response by: Dwight N. Lockwood, P.E., QEP, Manager, Regulatory  
Affairs, Global Energy, Inc., April 19, 2001.
- KSNPC 2000        Kentucky State Nature Preserves Commission (KSNPC), Kentucky Natural  
Heritage Program, County search results for Clark County, Kentucky, July 26,  
2000.
- KY 2001            Kentucky County Map, <http://www.lrc.state.ky.us/pubserv/gis/pdf/kycntys.pdf>,  
Accessed May 18, 2001.
- Louisville 2000     University of Louisville, 1999 Edition Population Projections, Kentucky Population  
Research, University of Louisville, [http://cbpa.louisville.edu/ksdc/kpr/pro/  
hmk0010.txt](http://cbpa.louisville.edu/ksdc/kpr/pro/hmk0010.txt), Accessed July 5, 2000.
- Louisville 2001     University of Louisville, Kentucky State Data Center, Clark County 1990 Census  
Tracts, <http://cbba.louisville.edu/ksdc/sdc/kentucky-maps/049.gif>, Accessed May  
18, 2001.

- Manville 2000            Manville, A. M. II., *The ABCs of Avoiding Bird Collisions at Communication Towers: The Next Steps*, Proceedings of the Avian Interactions Workshop, Electric Power Research Institute, Charleston, SC, December 2, 1999.
- Manville 2001            Personal communication between Dr. Albert Manville, II, Ph.D. Wildlife Biologist, Bird Strike Policy and International Issues Coordinator, Division of Migratory Bird Management, U.S. Fish and Wildlife Service and Chuck Pergler, Ecologist, Tetra Tech, Inc., July 17, 2001.
- McGrath 1982            McGrath, J.J., “Physiological Effects of Carbon Monoxide,” *Air Pollution - Physiological Effects*, J. J. McGrath and C. D. Barnes (Editors), Academic Press, New York, New York, pp. 147-181, 1982.
- Microsoft  
Encarta 2000            Microsoft Works Suite 2000, Microsoft Encarta Encyclopedia, 2000.
- NETL 2001                National Energy Technology Laboratory, Clean Coal Technology Compendium, Kentucky Pioneer Energy IGCC Demonstration Project, Project Fact Sheet, <http://www.lanl.gov/projects/cctc/factsheets/clnen/cleanedmo.html>, Accessed February 20, 2001.
- NIEHS 1999              National Institute of Environmental Health Services (NIEHS), National Institutes of Health, NIEHS Report on Health Effects from Exposure to Power-Line Frequency Electric and Magnetic Fields, NIH Publication No. 99-4493, 1999.
- PPI 1994                  Lindeburg, M.R., *Seismic Design of Building Structures: A Professional’s Introduction to Earthquake Forces and Design Details*, Professional Publications, Inc., Belmont, CA, Sixth Edition, 1994.
- Radian 1999              Radian International, Inc., *Kentucky Pioneer Energy; Integrated Gasification Combined Cycle Facility PSD Permit Application*, Prepared for Global Energy, Inc., Cincinnati, Ohio, November 16, 1999.
- REA 1980                 Rural Electrification Administration (REA), *Final Environmental Impact Statement Related to the proposed J. K. Smith Power Station Units 1 and 2 and Associated Transmission Facilities*, USDA-REA (ADM) 80-8-F, Prepared for East Kentucky Power Cooperative, Inc., Washington, DC, 1980.
- STB 1998                 Surface Transportation Board, Proposed Conrail Acquisition Final Environmental Impact Statement, Volume 6D, Finance Docket No. 33388, U.S. Department of Transportation, 1998.
- Tracts 1990              *Census Tract QuickFacts, Poverty Levels*, U.S. Census Bureau, <http://www.census.gov/geo/www/ezstate/Ky.pdf>, Accessed May 18, 2001.
- Turnbow and Jobe  
1981                        Turnbow, Christopher and Cynthia Jobe, *Cultural Resources Investigations of the J.K. Smith Power Station, Clark County, Kentucky*, Archaeological Report 60, University of Kentucky, Department of Anthropology, December 14, 1981.

*References*

---

- UEC 1980                    United Engineers and Constructors, Inc. (UEC), *Environmental Analysis, J.K. Smith Power Station Units 1 & 2, Clark County, Kentucky*, Prepared for East Kentucky Power Cooperative, Inc. and Rural Electrification Administration, November 1979, revised January 1980, March 1980, May 1980.
- USGS 2000                    Brown, A.C., F.D. Byrd, D.L. McClain, United States Geological Survey (USGS), *Water Resources Data Kentucky Water Year 1999*, Water-Data Report KY-99-1, Louisville, Kentucky, 2000.
- USFWS 2000a                Barclay, Lee A., United States Fish and Wildlife Service (USFWS), Field Supervisor, letter to Mr. Roy Spears, U.S. Department of Energy, National Energy Technology Laboratory, *Subject: Notice of Intent to Prepare an Environmental Impact Statement (EIS) for the Kentucky Pioneer Integrated Gasification Combined Cycle Demonstration Project, Clark County, Kentucky*, June 15, 2000.
- USFWS 2000b                Barclay, Lee A., USFWS, Field Supervisor letter to Check Pergler, EIS Ecological Resources Lead, Letter regarding species that are Federally listed or proposed for listing in the project impact area, July 25, 2000.
- WIA 1999                    Winchester, Kentucky Industrial Authority, Winchester Labor Market Area Labor Force Characteristics, <http://www.winchesterky.com/industrial/clfrates.html>, 1999.