

APPENDIX C

References

American National Standards Institute (ANSI)

-----, ANSI A58.1, "Minimum Design Loads for Buildings and Other Structures," 1982.

-----, ANSI N45.2, "Quality Assurance Program Requirements for Nuclear Facilities," 1977.

American National Standards Institute and American Nuclear Society (ANSI/ANS)

-----, ANSI/ANS-2.8, "American National Standard for Determining Design Basis Flooding at Power Reactor Sites," 1992.

Advanced National Seismic System (ANSS)

ANSS catalog for 1995 through June 2002, <<http://www.anss.org>>.

American Society of Civil Engineers (ASCE)

Youd, T. L. et al., "Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshops on Evaluation of Liquefaction of Soils," *ASCE Journal of Geotechnical and Environmental Engineering*, Volume 127, No. 10, October 2001.

American Society of Civil Engineers (ASCE) / Structural Engineering Institute (SEI)

-----, ASCE/SEI 43-05, "Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities and Commentary," 2005.

American Society of Civil Engineers and Structural Engineering Institute (SEI/ASCE)

-----, SEI/ASCE 7-98, "Minimum Design Loads for Buildings and Other Structures," March 2000.

American Society of Mechanical Engineers (ASME)

-----, ASME NQA-1-2000, "Quality Assurance Requirements for Nuclear Facility Applications," 2000.

American Society for Testing and Materials (ASTM)

-----, ASTM D3740, "Standard Practice for Minimum Requirement for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction," 2001.

-----, ASTM D4945, "Standard Test Method for High-Strain Dynamic Testing of Piles," 2000.

-----, ASTM D1586-99, "Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils," January 10, 1999.

-----, ASTM D1587-00, "Standard Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes," August 10, 2000.

-----, ASTM D2113-99, "Standard Practice for Rock Core Drilling and Sampling of Rock for Site Investigations," January 10, 1999.

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

-----, "2001 ASHRAE Handbook - Fundamentals," July 2001.

Electric Power Research Institute (EPRI)

-----, "Seismic Hazard Methodology for the Central and Eastern United States," Volumes 5-10, EPRI: Palo Alto, California, July 1986.

-----, 1008910, "CEUS Ground Motion Project: Model Development and Results," EPRI: Palo Alto, California, August 2003.

-----, TR-102293, "Guidelines for Determining Design Basis Ground Motions," Volumes 1-5, EPRI: Palo Alto, California, May 1993.

Johnston, A. C., et al. TR-102261-V1, "The Earthquakes of Stable Continental Regions: Volume 1 - Assessment of Large Earthquake Potential," EPRI: Palo Alto, California, 1994.

Exelon

-----, AP-AA-1000, Revision 0, "Early Site Permit Project Quality Assurance Instructions," Exelon Nuclear: Kennett Square, PA, September 7, 2004.

-----, "Emergency Plan for the Exelon Generation Company, LLC Early Site Permit," Exelon Generation Company, LLC.: Chicago, Illinois, (ADAMS Accession Nos. ML032721599, ML032721600, ML032721601, ML032721602).

-----, Letter from Marilyn C. Kray, Exelon Nuclear, to U.S. NRC, "Response to Draft Safety Evaluation Report (DSER) Items," April 26, 2005 (ADAMS Accession No. ML051230326).

Federal Emergency Management Agency (FEMA)

Federal Radiological Emergency Response Plan (1996).

Illinois Compiled Statutes (ILCS)

Division of Nuclear Safety Law, 20 ILCS 2005/2005-1 (amended June 2001),
<<http://www.state.il.us/idns/html/legal/statutes/genadm/enable.htm>>.

Illinois Emergency Management Agency Act, 20 ILCS 3305 (amended June 2002),
<<http://www.state.il.us/iema/Laws/IEMAact.htm>>.

Illinois Nuclear Facility Safety Act, 420 ILCS 10 (1992),
<<http://www.state.il.us/idns/html/legal/statutes/nucpwr/nucfac.htm>>.

Illinois Nuclear Safety Preparedness Act, 420 ILCS 5 (amended June 2002),
<<http://www.state.il.us/idns/html/legal/statutes/genadm/inspa.htm>>.

Radiation Protection Act of 1990, 420 ILCS 40 (amended August 2001)
<<http://www.state.il.us/idns/html/legal/statutes/genadm/radpro.htm>>.

Illinois State Climatologist Office (ISCO)¹

-----, "Climate of Illinois," <<http://www.sws.uiuc.edu/atmos/statecli/General/Illinois-climate-narrative.pdf>> (December 1, 2004), (ADAMS Accession No. ML043370319).

-----, "Historical Climate Summary - 111743 Clinton, IL," <<http://www.sws.uiuc.edu/atmos/statecli/Summary/111743.htm>> (December 3, 2004), (ADAMS Accession No. ML043410077).

-----, "Historical Climate Summary - 112193 Decatur, IL," <<http://www.sws.uiuc.edu/atmos/statecli/Summary/112193.htm>> (December 1, 2004), (ADAMS Accession No. ML043370363).

-----, "Historical Climate Summary - 115079 Lincoln, IL," <<http://www.sws.uiuc.edu/atmos/statecli/Summary/115079.htm>> (December 1, 2004), (ADAMS Accession No. ML043370311).

¹Data provided by the Illinois State Climatologist's Office, a part of the Illinois State Water Survey (ISWS) located in Champaign, Peoria, Carbondale, and Chicago, Illinois, and on the web at www.sws.uiuc.edu/atmos/statecli.

-----, "Historical Climate Summary - 116711 Peoria WSO Airport, IL," <<http://www.sws.uiuc.edu/atmos/statecli/Summary/116711.htm>> (December 1, 2004), (ADAMS Accession No. ML043370337).

-----, "Historical Climate Summary - 118179 Springfield WSO AP, IL," <<http://www.sws.uiuc.edu/atmos/statecli/Summary/118179.htm>> (December 1, 2004), (ADAMS Accession No. ML043370356).

-----, "Illinois Records," <<http://www.sws.uiuc.edu/atmos/statecli/General/records.htm>> (December 1, 2004), (ADAMS Accession No. ML043370323).

Lawrence Livermore National Laboratory (LLNL)

-----, "Lawrence Livermore National Laboratory (LLNL), "Eastern Seismic Hazard Characterization Update," 1993.

National Climatic Data Center (NCDC)

-----, "Central Illinois Divisional Normals—Temperature, Period 1971-2000," *Climatography of the United States*, No. 85, NCDC: Asheville, North Carolina, June 15, 2002.

-----, "Engineering Weather Data CDROM," Version 1.0, NCDC: Asheville, North Carolina, December 23, 1999.

-----, "Peoria, Illinois, 2003 Local Climatological Data, Annual Summary with Comparative Data," NCDC: Asheville, North Carolina, 2003.

-----, "Severe Thunderstorm Climatology, Total Threat," National Severe Storms Laboratory, <<http://www.nssl.noaa.gov/hazard/totalthreat.html>> (December 1, 2004), (ADAMS Accession No. ML043370314).

-----, "Solar and Meteorological Surface Observational Network (SAMSON) for Central U.S. CDROM," NCDC: Asheville, North Carolina, September 1993.

-----, "Springfield, Illinois, 2003 Local Climatological Data, Annual Summary with Comparative Data," NCDC: Asheville, North Carolina, 2003.

-----, "Temperature Extremes," <<http://www.ncdc.noaa.gov/oa/climate/severeweather/temperatures.html>> (November 29, 2004), (ADAMS Accession No. ML043370330).

National Oceanic and Atmospheric Administration (NOAA)

-----, Hydrometeorological Report No. 51, "Probable Maximum Precipitation Estimates. United States East of the 105th Meridian," NOAA: Washington, D.C., June 1978.

-----, Hydrometeorological Report No. 52, "Application of Probable Maximum Precipitation Estimates - United States East of the 105th Meridian," NOAA: Washington, D.C., August 1982.

-----, Hydrometeorological Report No. 53, "Seasonal Variation of 10-Square-Mile Probable Maximum Precipitation Estimates. United States East of the 105th Meridian," NOAA: Washington, D.C., April 1980.

-----, "Tsunami: The Great Waves," NOAA: Washington, D.C., 2002,
<http://www.prh.noaa.gov/itic/library/pubs/great_waves/tsunami_great_waves.html>.

Seismological Society of America (SSA)

Atkinson, G.M. and D.M. Boore, "Ground Motion Relations for Eastern North America," Bulletin of the Seismological Society of America, Vol. 85, No. 1, pp. 17-30, 1995.

Bakun, W.H., and M.G. Hopper, "The 1811-12 New Madrid, Missouri, and the 1886 Charleston, South Carolina, Earthquakes," Bulletin of the Seismological Society of America, 2003 (in press).

State of Illinois

-----, "Concepts of Operations," *The Illinois Plan for Radiological Accidents (IPRA)*, Volume I, State of Illinois: Springfield, Illinois, May 2001.

-----, "Clinton," *The Illinois Plan for Radiological Accidents (IPRA)*, Volume VIII, State of Illinois: Springfield, Illinois, July 2001.

U.S. Army Corps of Engineers

-----, EM 1110-2-1100 (Revision 1), "Coastal Engineering Manual," Department of the Army: Washington, D.C., July 2003.

-----, EM 1110-2-1411, "Standard Project Flood Determinations," Department of the Army: Washington, D.C., March 1, 1965.

-----, EM 1110-2-1612, "Engineering and Design - Ice Engineering," Department of the Army: Washington, D.C., October 30, 2002.

-----, "HEC-1 Download," U.S. Army Corps of Engineers Hydrologic Engineering Center, 1998,
<<http://www.hec.usace.army.mil/software/legacysoftware/hec1/hec1-download.htm>>
(September 1, 2004).

-----, "Ice Jam Database," <<http://www.crrel.usace.army.mil/ierd/ijdb/>> (September 16, 2004).

-----, "Major Dams of the United States," <<http://nationalatlas.gov/damsm.html>> (July 27, 2004).

-----, "National Inventory of Dams," <<http://crunch.tec.army.mil/nid/webpages/nid.cfm>> (July 27, 2004).

-----, Technical Manual 5-1300, "Structures to Resist the Effects of Accidental Explosions," Department of the Army: Washington, D.C., November 19, 1990.

U.S. Atomic Energy Commission (AEC)

-----, Technical Information Document (TID)-14844, "Calculation of Distance Factors for Power and Test Reactor Sites," AEC: Washington, D.C., March 1962 (ADAMS Accession No. ML021750625).

U.S. Census Bureau

-----, "Census 1990," U.S. Census Bureau: Washington, D.C., 1990, <<http://www.census.gov/main/www/cen1990.html>>.

-----, "Census 2000," U.S. Census Bureau: Washington, D.C., 2000, <<http://www.census.gov/main/www/cen2000.html>>.

U.S. Code of Federal Regulations

-----, *Title 10, Energy*, Part 20, "Standards for Protection Against Radiation."

-----, *Title 10, Energy*, Part 21, "Reporting of Defects and Noncompliance."

-----, *Title 10, Energy*, Part 50, "Domestic Licensing of Production and Utilization Facilities."

-----, *Title 10, Energy*, Part 52, "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants."

-----, *Title 10, Energy*, Part 71, "Packaging and Transportation of Radioactive Material."

-----, *Title 10, Energy*, Part 73, "Physical Protection of Plants and Materials."

-----, *Title 10, Energy*, Part 100, "Reactor Site Criteria."

-----, *Title 15, Commerce and Foreign Trade*, Part 950, "Environmental Data and Information."

-----, *Title 49, Transportation*, Part 173, "Shippers—General Requirements for Shipments and Packagings."

U.S. Environmental Protection Agency (EPA)

-----, EPA 400-R-92-001, "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents," EPA: Washington, D.C., May 1992.

U.S. Geological Survey

-----, "Clinton, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 2001.

-----, "Daily Streamflow for the Nation, USGS gauge 05578500, SALT CREEK NEAR ROWELL, IL," <http://waterdata.usgs.gov/il/nwis/nwisman/?site_no=05578500&agency_cd=USGS> (August 18, 2004).

-----, "Daily Streamflow for the Nation, USGS gauge 05579000, SALT CREEK NEAR KENNEY, IL," <http://waterdata.usgs.gov/il/nwis/nwisman/?site_no=05579000&agency_cd=USGS> (August 18, 2004).

-----, "Heyworth, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 2000.

-----, "Maroa, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1990.

-----, "Farmer City North, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1990.

-----, "Farmer City South, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1990.

-----, "LeRoy, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1990.

-----, "Peak Streamflow for the Nation, USGS 05578500 SALT CREEK NEAR ROWELL, IL," <http://nwis.waterdata.usgs.gov/nwis/peak?site_no=05578500&agency_cd=USGS&format=html> (August 19, 2004).

-----, "U. S. Geological Survey NWISWeb Data for the Nation," <<http://waterdata.usgs.gov/nwis/>> (September 16, 2004).

-----, "Weldon East, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1990.

-----, "Weldon West, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1990.

-----, "DeWitt, Illinois, 7.5-Minute Quadrangle, Topographic Map," U.S. Geological Survey: Reston, Virginia, 1979.

Frankel, A. D., et al., Open-File Report 96-532, "National Seismic-Hazard Maps, Documentation June 1996," USGS, 1996, <<http://eqhazmaps.usgs.gov/hazmapsdoc/Junedoc.pdf>>.

Frankel, A. D., et al., Open-File Report 02-420, "Documentation for the 2002 Update of the National Seismic Hazard Maps," USGS: Reston, Virginia, 2002, <<http://pubs.usgs.gov/of/2002/ofr-02-420/OFR-02-420.pdf>>.

U.S. Nuclear Regulatory Commission (NRC)

Commission Papers

-----, SECY-93-087, "Policy, Technical , Licensing Issues Pertaining to Evolutionary and Advanced Light-Water Reactor (ALWR) Designs, 1993 (ADAMS Accession No. ML003708021).

Inspection Reports

-----, Inspection Report 0520007/2004001, "Exelon Generation Company, LLC - NRC Inspection of Applicant and Contractor Quality Assurance Activities Involved with Preparation of the Application for an Early Site Permit," NRC: Washington, D.C., February 20, 2004 (ADAMS Accession No. ML040540622).

NUREG-Series Reports

-----, NUREG-0654/FEMA-REP-1, Revision 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," Washington, D.C., November 1980.

-----, NUREG-0654/FEMA-REP-1, Revision 1, Supplement 2, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants - Criteria for Emergency Planning in an Early Site Permit Application - Draft Report for Comment," NRC: Washington, D.C., April 1996.

-----, NUREG-0654/FEMA-REP-1, Revision 1, Supplement 3, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants - Criteria for Protective Action Recommendations for Severe Accidents - Draft Report for Interim Use and Comment," NRC: Washington, D.C., July 1996.

-----, NUREG-0696, "Functional Criteria for Emergency Response Facilities - Final Report," NRC: Washington, D.C., February 1981.

-----, NUREG-0800, Revision 3, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants," NRC: Washington, D.C., July 1981.

-----, NUREG-1742, "Perspectives Gained from the IPEEE Program," 2002.

-----, NUREG/CR-4013, "LADTAP II—Technical Reference and User Guide," April 1986.

-----, NUREG/CR-4653, "GASPAR II—Technical Reference and User Guide," March 1987.

-----, NUREG/CR-4831, "State of the Art in Evacuation Time Estimate Studies for Nuclear Power Plants," NRC: Washington, D.C., March 1992.

-----, NUREG/CR-6372, "Recommendations for Probabilistic Seismic Hazard Analysis: Guidance on Uncertainty and Use of Experts," NRC: Washington, D.C., November 1997.

-----, NUREG/CR-6728, "Technical Basis for Revision of Regulatory Guidance on Design Ground Motions: Hazard and Risk Consistent Ground Motion Spectral Guidelines," 2001.

Draft Regulatory Guides

-----, Draft Regulatory Guide DG-1105, "Procedures and Criteria for Assessing Seismic Soil Liquefaction at Nuclear Power Plant Sites," NRC: Washington, D.C., March 31, 2001 (ADAMS Accession No. ML010650295).

Regulatory Guides

-----, Regulatory Guide 1.3, "Assumptions Used for Evaluating the Potential Radiological Consequences of a Loss-of-Coolant Accident for Boiling Water Reactors," June 1974 (ADAMS Accession No. ML003739601).

-----, Regulatory Guide 1.25, "Assumptions Used for Evaluating the Potential Radiological Consequences of a Fuel Handling Accident in the Fuel Handling and Storage Facility for Boiling and Pressurized Water Reactors," March 1972.

-----, Regulatory Guide 1.27, "Ultimate Heat Sink for Nuclear Power Plants," NRC: Washington, D.C., January 1976 (ADAMS Accession No. ML003739969).

-----, Regulatory Guide 1.29, Revision 3, "Seismic Design Classification," NRC: Washington, D.C., September 1978 (ADAMS Accession No. ML003739983).

-----, Regulatory Guide 1.59, Revision 2, "Design Basis Floods for Nuclear Power Plants," NRC: Washington, D.C., August 1977 (ADAMS Accession No. ML003740388).

-----, Regulatory Guide 1.60, Revision 1, "Design Response Spectra for Seismic Design of Nuclear Power Plants," NRC: Washington, D.C., December 1973.

-----, Regulatory Guide 1.70, Revision 3, "Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants - LWR Edition," NRC: Washington, D.C., November 1978 (ADAMS Accession Nos. ML003740072, ML003740108, & ML003740116).

-----, Regulatory Guide 1.78, Revision 1, "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release," NRC: Washington, D.C., December 2001 (ADAMS Accession No. ML013100014).

-----, Regulatory Guide 1.91, Revision 1, "Evaluations of Explosions Postulated to Occur on Transportation Routes Near Nuclear Power Plants," NRC: Washington, D.C., February 1978 (ADAMS Accession No. ML003740286).

-----, Regulatory Guide 1.102, Revision 1, "Flood Protection for Nuclear Power Plants," NRC: Washington, D.C., September 1976 (ADAMS Accession No. ML003740308).

-----, Regulatory Guide 1.109, "Calculation of Annual Doses to Man From Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I," October 1977 (ADAMS Accession No. ML003740384).

-----, Regulatory Guide 1.111, "Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors," July 1977 (ADAMS Accession No. ML003740354).

-----, Regulatory Guide 1.113, "Accidental and Routine Reactor Releases for the Purpose of Implementing Appendix I," NRC: Washington, D.C., April 1977 (ADAMS Accession No. ML003740390).

-----, Regulatory Guide 1.125, Revision 1, "Physical Models for Design and Operation of Hydraulic Structures and Systems for Nuclear Power Plants," NRC: Washington, D.C., October 1978 (ADAMS Accession No. ML003739388).

-----, Regulatory Guide 1.132, Revision 1, "Site Investigations for Foundations of Nuclear Power Plants," NRC: Washington, D.C., March 1979 (ADAMS Accession No. ML003740350).

-----, Regulatory Guide 1.138, "Laboratory Investigations of Soils for Engineering Analysis and Design of Nuclear Power Plants," NRC: Washington, D.C., April 30, 1978 (ADAMS Accession No. ML003740184).

-----, Regulatory Guide 1.145, "Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants," November 1982 (ADAMS Accession No. ML003740205).

-----, Regulatory Guide 1.165, "Identification and Characterization of Seismic Sources and Determination Safe Shutdown Earthquake Ground Motion," NRC: Washington, D.C., March 1997 (ADAMS Accession No. ML003740084).

-----, Regulatory Guide 1.183, "Alternative Radiological Source Terms for Evaluating Design-Basis Accidents at Nuclear Power Reactors," July 2000 (ADAMS Accession No. ML003716792).

-----, Regulatory Guide 1.198, "Procedures and Criteria for Assessing Seismic Soil Liquefaction at Nuclear Power Plant Sites," NRC: Washington, D.C., November 2003 (ADAMS Accession No. ML033280143).

-----, Regulatory Guide 4.4, "Reporting Procedure for Mathematical Models Selected to Predict Heated Effluent Dispersion in Natural Water Bodies," NRC: Washington, D.C., May 1974 (ADAMS Accession No. ML003739535).

-----, Regulatory Guide 4.7, Revision 2, "General Site Suitability Criteria for Nuclear Power Stations," NRC: Washington, D.C., April 1998 (ADAMS Accession No. ML003739894).

Other NRC Documents

-----, Memorandum from Harold R. Denton, NRC, to R. R. Maccary, NRC, Subject: Site Analysis Branch Position - Winter Precipitation Loads, March 24, 1975 (ADAMS Accession No. ML050630277).

-----, Memorandum from R. N. Gardner, NRC, to J. E. Lyons, NRC, Subject: Pre-Application Site Visit to Clinton Nuclear Station to Observe Early Site Permit (ESP) Pre-Application Subsurface Investigation Activities (Project No. 718), September 9, 2002 (ADAMS Accession No. ML022530396).

-----, NRR Review Standard, RS-002, "Processing Applications for Early Site Permits," NRC: Washington, D.C., May 3, 2004, (ADAMS Accession No. ML040700236).

-----, June 22, 2004, Letter from James E. Lyons, NRC to Adrian Heymer, NEI, Subject: Applicability of 10 CFR Part 21 (ADAMS Accession No. ML040430041).

-----, October 26, 2004, Summary of September 9, 2004, Meeting with NEI to Discuss Emergency Planning (EP) Aspects of Early Site Permit (ESP) Reviews, Applicability of 10 CFR Part 21 to ESP Applicants and Holders, and Inclusion of Plant Parameters in ESPs (ADAMS Accession No. ML042610277).

-----, December 28, 2004, Summary of November 10, 2004, Meeting with the Nuclear Energy Institute (NEI) to Discuss Applicability of 10 CFR Part 21 to ESP Applicants and Holders, Emergency Planning (EP) Aspects of Early Site Permit (ESP) Reviews, Inclusion of Plant Parameters in ESPs, and ESP/Combined License (COL) Interface Issues (ADAMS Accession No. ML043290195).

Other References

Corporate Authors

CH2M Hill, DEL-01-4, Rev. 4, "Project Quality Plan for Exelon Early Site Permit," CH2M Hill: Idaho Falls, Idaho, December 2002.

HMM Associates, Inc., "Evacuation Time Estimates for the Clinton Power Station".
HMM Associates, Inc.: Bedford, New Hampshire, July 1993, (ADAMS Accession No. ML0409790812).

Interagency Advisory Committee on Water Data. Bulletin 17B , "Guidelines for Determining Flood Flow Frequency," Water Resources Council, U.S. Department of the Interior: Reston, Virginia, 1981.

Platts, "POWERmap Geographic Information System Spatial Data," Platts: Boulder, Colorado, 2004.

Individual Authors

Bakun, W. H. and M. G. Hopper, "The 1811-1812 New Madrid, Missouri, and the 1886 Charleston, South Carolina Earthquakes," *Bulletin of the Seismological Society of America*, Vol. 94, No. 1, pp. 64-75, 2004.

Johnston, A. C., "Seismic Moment Assessment of Earthquake in Stable Continental Regions - III. New Madrid 1811-1812, Charleston 1886 and Lisbon 1755," *Geophysical Journal International*, Vol. 126, pp. 314-344, 1996.

McNulty, W.E., and S.F. Obermeier, "Liquefaction Evidence for at least Two Strong Holocene Paleoeearthquakes in Central and Southwestern Illinois, USA," *Environmental and Engineering Geoscience*, Vol. 5, No. 2, pp. 133-146, 1999.

Silva, W. J., et al., "Development of Regional Hard Rock Attenuation Relations for Central and Eastern North America," *Pacific Engineering and Analysis*, El Cerrito, CA. 2002.

Tuttle et al., "The Earthquake Potential of the New Madrid Seismic Zone," *Bulletin of the Seismological Society of America*, Vol. 92, No. 6, pp. 2080-2089, August 2002.

Chow, V. T. *Handbook of Applied Hydrology*, McGraw-Hill: New York, 1964.

Chow, V. T. *Open Channel Hydraulics*, McGraw-Hill: New York, 1959.

Heaps, N. S., "Vertical Structure of Current in Homogenous and Stratified Waters," Ed. K. Hutter, *Hydrodynamics of Lakes*, pp. 153-207, Springer Verlag: New York, 1984.

Jones, K., et al., Technical Report 2002-01, "The Development of a U.S. Climatology of Extreme Ice Loads," National Climatic Data Center: Asheville, North Carolina, December 2002.

Korshover, J., NOAA Technical Memorandum ERL ARL-55, "Climatology of Stagnating Anticyclones East of the Rocky Mountains, 1936-1975," NOAA Environmental Research Laboratories: Silver Spring, Maryland, March 1976.

Linsley Jr., R. K., M. A. Kohler, and J. L. H. Paulhus. *Hydrology for Engineers*, Third Edition, McGraw-Hill: New York, 1982.

Lloyd, O. B. and W. L. Lyke. HA730-K, "Illinois, Indiana, Kentucky, Ohio, and Tennessee," *Ground Water Atlas of the United States*, United States Geologic Survey: Reston, Virginia, 1995, <http://capp.water.usgs.gov/gwa/ch_k/index.html>.

Mitchell, W. D., "Unit Hydrographs in Illinois," Illinois Department of Public Works and Buildings, Division of Waterways: Urbana, Illinois, 1948.

Ramsdell, Jr., V. A., "Technical Evaluation Report on Design Basis Tornadoes for the Clinton ESP Site," Pacific Northwest National Laboratories: Richland, Washington, November 9, 2004, (ADAMS Accession No. ML043370309).

Reigel, J. T., J. F. Appleby, and R. W. Schloemer, Hydrometeorological Report 33, "Seasonal Variation of the Probable Maximum Precipitation East of the 105th Meridian for Areas of 10 to 1,000 Square Miles and Durations of 6, 12, 24, and 48 Hours," U. S. Weather Bureau: Washington, D.C., April 1956.

Roberts, W. J. and J. B. Stall, "Lake Evaporation in Illinois," Board of Investigation 57, State Water Survey Division, State of Illinois, Urbana, 1967.

Stall, J. B., Bulletin 51, "Low Flows of Illinois Stream for Impounding Reservoir Design," Illinois State Water Authority, 1964.

Wilson, B. W., "Seiches," *Advances in Hydrosience*, Vol. 8, Academic Press: New York, 1972.