References

(* – Available on Manual DVD)


American Concrete Institute (ACI), 2008, *Building Code Requirements for Masonry Structures* (ACI 530-95), Farmington Hills, MI.

American Concrete Institute (ACI), 2007, *ACI Manual of Concrete Practice*, Parts 1, 2, and 3, Farmington Hills, MI.

American Concrete Institute (ACI), 2005a, *Guide to Mass Concrete*, ACI 207.1R-05, Farmington Hills, MI.

American Concrete Institute (ACI), 2005b, *Building Code Requirements for Structural Concrete* (ACI 318-05) and *Commentary* (ACI 318R-05), Farmington Hills, MI.

American Concrete Pipe Association (ACPA), 2007, *Concrete Pipe Design Manual*, ACPA, Irving, TX.

American Concrete Pipe Association (ACPA), 1987, *Concrete Pipe Design Manual*, ACPA, Vienna, VA.


American Water Works Association (AWWA), 2004, *Steel Water Pipe*, M11, AWWA, Denver, CO.

American Water Works Association (AWWA), 1995, *Concrete Pressure Pipe*, M9, 2nd Ed., AWWA, Denver, CO.


References


Betoney, T.P., Jr., 1994, MSHA Accident Investigation Report (Surface Area of an Underground Coal Mine), Non-Injury Impoundment (Coal Refuse Pile ID No. 1211 WV30054-00), Arkwright No. 1 Mine, Consolidation Coal Company, Monongalia County, WV.


*Boulanger, R.W. and I.M. Idriss, 2004, “Evaluating the Potential for Liquefaction or Cyclic Failure of Silts and Clays,” Report No. UCD/CGM-04/01, Center for Geotechnical Modeling, Department of Civil and Environmental Engineering, University of California, Davis, CA.*


Cannon, W.C., 1981, MSHA Report of Investigation, Impoundment Accident (Failure of Refuse Pile), Preparation Plant, Island Creek Coal Company, Boone County, WV.


* Colorado School of Mines (CSM), 2007, Void Detection Demonstrations at the Colorado School of Mines, Edgar Experimental Mine, prepared for MSHA by the Western Mining Resource Center, CSM, Golden, CO.


Fredland, J.W., 2008, personal communication concerning MSHA’s position of hydrologic design criteria for temporary mining operations.


Ganow, H., 1975, A Geotechnical Study of the Squeeze Problem Associated with the Underground Mining of Coal, Doctoral Thesis, University of Illinois, Urbana-Champaign, IL.


References

GEI Consultants, 2007, personal communication regarding experience with testing coal refuse.


Haan, C.T. and B.J. Barfield, 1978, Hydrology and Sedimentology of Surface Mined Lands, Institute for Mining and Minerals Research, Kentucky Center for Energy Research Laboratory, College of Engineering, University of Kentucky Press, Lexington, KY.


Hvorslev, J., 1948, *Subsurface Exploration and Sampling of Soils for Civil Engineering Purposes*, U.S. Department of the Army, Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.


References


McGuire, R.K., 1974, Seismic Structural Response Risk Analysis Incorporating Peak Response Regressions on Earthquake Magnitude and Distance, Research Report R74-51, Massachusetts Institute of Technology, Department of Civil Engineering, Cambridge, MA.


References


National Research Council (NRC), 2002, *Coal Waste Impoundments: Risks, Responses, and Alternatives*, Committee on Coal Waste Impoundments, Committee on Earth Resources, Board on Earth Sciences and Resources, Division on Earth and Life Studies, National Academy Press, Washington, DC.


* National Weather Service (NWS), 1963, *Technical Paper No. 47, Probable Maximum Precipitation and Rainfall Frequency Data for Alaska for Areas to 400 Square Miles, Durations to 24 Hours, and Return Periods from 1 to 100 Years*, U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NWS, Washington, DC.


* Natural Resources Conservation Service (NRCS), 2007c, *NRCS Fillable Form Template*, U.S. Department of Agriculture, NRCS, Washington, DC.


References


* Ohio Department of Transportation (ODOT), 2006, *Geotechnical Bulletin GB3: Rock Cut Slope and Catchment Design*, Division of Production Management, Office of Geotechnical Design, Columbus, OH.


Owens, H.L., 1977, *MESA Memorandum on Failure of the Fine Coal Refuse Impoundment (ID No. 1211WV40009-02)*, Pond Fork Preparation Plant, Island Creek Coal Company, Boone County, WV.


Pelton, F., 2000, *Guidelines for Instrumentation and Measurement for Monitoring Dam Performance*, 0-7844-0531-X, ASCE Task Committee on Instrumentation and Monitoring Dam Performance, American Society of Civil Engineers (ASCE), Reston, VA.


*Pennsylvania State University (PSU), 2006, *An In-Seam Seismic (ISS) Method Based Mine Void Detection Technique*, Final Report for Phase I, prepared for MSHA by Maochen Ge, PSU, University Park, PA.


References


* Skousen, J.G., A.W. Rose, G. Geidel, R. Foreman, R. Evans, W.W. Hellier and members of the Avoidance and Remediation Working Group of the Acid Drainage Technology Initiative, 1998,
Handbook of Technologies for Avoidance and Remediation of Acid Mine Drainage, National Mine Land Reclamation Center, West Virginia University, Morgantown, WV.


Stewart, B.M. and G. Robinson, 1994, MSHA Accident Investigation Report, Non-Injury Inundation Report, Martin County Coal Corporation, 1-C Mine (ID No. 15-03752), Martin County, KY.


References


University of California, 2007a, Pacific Earthquake Engineering Research Center: NGA Database, Coyote Lake – Gilroy #6, 230 (CDMG Station 57383), August 6, 1979, M = 5.7. (http://peer.berkeley.edu/index.html)


* U.S. Army Corps of Engineers (USACE), 2004, Cathodic Protection for Civil Works Structures, EM 1110-2-2704, U.S. Department of the Army, USACE, Washington, DC.

* U.S. Army Corps of Engineers (USACE), 2003, Engineering and Design – Slope Stability, EM 1110-2-1902, U.S. Department of the Army, USACE, Washington, DC.


* U.S. Army Corps of Engineers (USACE), 1998a, Engineering and Design – Conduits, Culverts and Pipes, EM 1110-2-2902, U.S. Department of the Army, USACE, Washington, DC.


* U.S. Army Corps of Engineers (USACE), 1995a, Geophysical Exploration for Engineering and Environmental Investigations, EM 1110-1-1802, U.S. Department of the Army, USACE, Washington, DC.

* U.S. Army Corps of Engineers (USACE), 1995b, Construction Control for Earth and Rock-Fill Dams, EM 1110-2-1911, U.S. Department of the Army, USACE, Washington, DC.

* U.S. Army Corps of Engineers (USACE), 1995c, Instrumentation of Embankment Dams and Levees, EM 1110-2-1908, U.S. Department of the Army, USACE, Washington, DC.


* U.S. Army Corps of Engineers (USACE), 1990a, Construction with Large Stone, EM 1110-2-2302, U.S. Department of the Army, USACE, Washington, DC.

* U.S. Army Corps of Engineers (USACE), 1990b, (Revised April 1992), Hydraulic Design of Spillways, EM 1110-2-1603, U.S. Department of the Army, USACE, Washington, DC.

* U.S. Army Corps of Engineers (USACE), 1986, Laboratory Soils Testing, EM-1110-2-1906, U.S. Department of the Army, USACE, Washington, DC.


* U.S. Army Corps of Engineers (USACE), 1984a, Grouting Technology, EM 1110-2-3506, U.S. Department of the Army, USACE, Washington, DC.

* U.S. Army Corps of Engineers (USACE), 1984b, User’s Manual, HMR52, Probable Maximum Storm (Eastern United States), U.S. Department of the Army, USACE, Hydrologic Engineering Center, Davis, CA.
References


U.S. Committee on Large Dams (USCOLD), 1999, *Updated Guidelines for Selecting Seismic Parameters for Dam Projects*, USCOLD Committee on Earthquakes, USCOLD, Denver, CO.


Virginia Department of Mine Land Reclamation (VA DMLR), 2006, “Slurry Injection Permit Requirements,” presented at Underground Injection Workshop sponsored by the Office of Surface Mining (OSM), National Mine Land Reclamation Center, University of West Virginia, Morgantown, WV.

Van Aller, H.W., 2004, “Piping, Seepage Conduits and Dam Failure,” presented at ASDSO South-eastern Regional Technical Seminar, Jackson, MS.


Weaver, K.D. and D.A. Bruce, 2007, Dam Foundation Grouting, ASCE Press, Reston, VA.


West Virginia Water Research Institute, 2005, Guidance Document for Coal Waste Impoundment Facilities & Coal Waste Impoundment Inspection Form, West Virginia University, Morgantown, WV.


Workhorse Technologies, 2006, personal communication.


