

Appendix A References

A-1. Required Publications

TM 5-818-5

Dewatering and Ground Water Control

TM 5-820-4

Drainage for Areas Other Than Airfields

ER 1110-1-1801

Construction Foundation Report

ER 1110-2-103

Strong Motion Instrument for Recording Earthquake Motions on Dams

ER 1110-2-1925

Field Control Data for Earth and Rockfill Dams

ER 1110-2-8152

Planning and Design of Temporary Cofferdams and Braced Excavations

ER 1180-1-6

Construction Quality Management

EM 1110-2-1601

Hydraulic Design of Flood Control Channels

EM 1110-2-1602

Hydraulic Design of Reservoir Outlet Works

EM 1110-2-1901

Seepage Analysis and Control for Dams

EM 1110-2-1906

Laboratory Soils Testing

EM 1110-2-1907

Soil Sampling

EM 1110-2-1908

Instrumentation of Earth and Rock-Fill Dams

EM 1110-2-1914

Design, Construction and Maintenance of Relief Wells

EM 1110-2-3800

Systematic Drilling and Blasting for Surface Excavations

U. S. Army Engineer District, Savannah 1968

U. S. Army Engineer District, Savannah. 1968. "West Point Project, Chattahoochee River, Alabama and Georgia; Construction of Slurry Trench Cutoff," Savannah, GA.

A-2. Related Publications

American Concrete Institute 1967

American Concrete Institute. 1967. *ACI Manual of Concrete Inspection*, Publication SP-2, Detroit, MI.

American Society for Testing and Materials 1973

American Society for Testing and Materials. 1973. "Variability of Laboratory Relative Density Test Results," Special Technical Publication 523, *Evaluation of Relative Density and its Roll in Geotechnical Projects Involving Cohesionless Soils*, E. T. Selig and R. S. Ladd, ed., Philadelphia, PA.

Atomic Energy Commission 1966

Atomic Energy Commission. 1966. "Standard Protection Against Radiation," *Code of Federal Regulations*, Title 10, Part 20, 9, Government Printing Office, Washington, DC.

Bennett 1958

Bennett, P. T. 1958. "Materials and Compaction Methods, Missouri Basin Dams," *Transactions, Sixth International Congress on Large Dams*, New York, Vol III, pp 299-315.

Curry 1964

Curry, R. L. 1964. "Investigation of the Feasibility of Manufacturing Aggregate by Nuclear Methods," Miscellaneous Paper No. 6-643, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Dunncliff 1988

Dunncliff, J. 1988. *Geotechnical Instrumentation for Monitoring Field Performance*, Wiley, New York.

Edris 1991

Edris, E. V., Strohm, W. E., and Woo, K, G. 1991. "Microcomputer Geotechnical Quality Assurance of Compacted Earth Fill Data Package: User's Guide," Instruction Report GL-91-2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Gilbert 1990

Gilbert, P. A. 1990. "Computer-Controlled Microwave Drying of Potentially Difficult Organic and Inorganic Soils," Technical Report GL-90-26, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Gordon 1966

Gordon, B. B., and Miller, R. K. 1966 (May). "Control of Earth and Rock-Fill for Oroville Dam," *Journal, Soil Mechanics and Foundations Division American Society of Civil Engineers*, Vol 92, No SM3, pp 1-23.

Hammer 1973

Hammer, D. P., and Torrey, V. H., III. 1973. "Test Fills for Rock Fill Dams," Miscellaneous Paper S-73-7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Layman 1942

Layman, A. K. B. 1942. "Compaction of Cohesionless Foundation Soils by Explosives," *Transactions, American Society of Civil Engineers*, New York, Vol 107, Paper No. 2160, pp 1330-1341.

Rosser 1969

Rosser, T. B., III, and Webster, S. L. 1969. "Evaluation of Nuclear Methods of Determining Surface in Situ Soil Water Content and Density," Miscellaneous Paper S-69-15, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Sherards 1963

Sherards, J. L., et al. 1963. *Earth and Earth-Rock Dams*, Wiley, New York.

Smith 1968

Smith, P. C. 1968. "The Use of Nuclear Meters in Soils Investigations: A Summary of Worldwide Research and Practice," Special Technical Publication No. 412, American Society for Testing and Materials, Philadelphia, PA.

Torrey 1970

Torrey, V. H., III. 1970. "Analysis of Field Compaction Control Data; Perry Dam, Delaware River, Kansas," Miscellaneous Paper S-70-13, Report 1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Torrey 1991

Torrey, V. H., III, and Donaghe, R. T. 1991. "Compaction Control of Earth-Rock Mixtures," Technical Report GL-91-16, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Tokue 1976

Tokue, T. 1976. "Characteristics and Mechanisms of Vibratory Densification of Sand and the Role of Acceleration," *Soil and Foundations*, Vol 16, No. 3.

U.S. Bureau of Reclamation 1963

U.S. Bureau of Reclamation. 1963. *Earth Manual*, Denver, CO.

Webster 1974

Webster, S. L. 1974. "Determination of In-Place Moisture by Nuclear Methods," Instruction Report S-74-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Winterkorn 1975

Winterkorn, H. F., and Fang, H. Y., ed. 1975. *Foundation Engineering Handbook*, Van Nostrand Reinhold Company, New York.

A-3. Selected Bibliography

TM 5-331a

Utilization of Engineer Construction Equipment; Volume A: Earthmoving, Compaction, Grading, and Ditching Equipment

TM 5-332

Pits and Quarries

TM 5-818-4

Backfill for Subsurface Structures

TM 5-818-6

Grouting Methods and Equipment

TM 5-852-2

Arctic and Subarctic Construction

ER 1110-2-100

Periodic Inspection and Continuing Evaluation of Completed Civil Works Structures

ER 1110-2-101

Reporting of Evidence of Distress of Civil Works Structures

ER 1110-2-1200

Plans and Specifications for Civil Works Projects

ER 1110-2-1901

Embankment Criteria and Performance Report

EM 1110-2-1902

Stability of Earth and Rock Fill Dams

EM 1110-2-1909

Calibration of Laboratory Soils Testing Equipment

EM 1110-2-2000

Standard Practice for Concrete for Civil Works Structures

EM 1110-2-2300

Earth and Rock-Fill Dams, General Design and Construction Considerations

CE-1201

Subsurface Drilling, Sampling and Testing

CE-1305.01

Foundation Drilling and Grouting

CE-1306

Embankment (for Earth Dams)

CE-1307

Relief Wells

CE-1308

Stone Protection (Slopes and Channels)

Bertram 1963

Bertram, G. E. 1963. "Rock-Fill Compaction by Vibratory Rollers," *Proceedings, Second Panamerican Conference on Soil Mechanics and Foundation Engineering*, Brazil, Vol 1, pp 441-455.

Cedergren 1967

Cedergren, H. R. 1967. *Seepage, Drains and Flow Nets*, Wiley, New York.

Fang 1991

Fang, Hsai-Yang, ed. 1991. *Foundation Engineering Handbook*, Van Nostrand Reinhold, New York.

Huston 1970

Huston, J. 1970. *Hydraulic Dredging: Theoretical and Applied*, Cornell Maritime Press, Cambridge, MD.

Jones 1967

Jones, J. C. 1967. "Deep Cut-offs in Pervious Alluvium, Combining Slurry Trenches and Grouting," *Transactions, Ninth International Congress on Large Dams*, Istanbul, Vol I, pp 509-524.

Leonards 1962

Leonards, G. A., ed. 1962. *Foundation Engineering*, McGraw-Hill, New York.

Robeson 1966

Robeson, F. A., and Crisp, R. L., Jr. 1966 (Sept). "Rockfill Design—Carters Dam," *Journal of the Construction Division, Proceedings of the American Society of Civil Engineers*, Vol 92, CO3, pp 51-74.

Terzaghi 1967

Terzaghi, K., and Peck, R. B. 1967. *Soil Mechanics in Engineering Practice*, 2d ed., Wiley, New York.

Tschebotarioff 1951

Tschebotarioff, G. 1951. *Soil Mechanics, Foundations, and Earth Structures*, McGraw-Hill, New York.

Turnbull 1958 and 1959

Turnbull, W. J., and Shockley, W. G. 1958 and 1959. "Compaction of Earth Dams in the Corps of Engineers, U.S. Army," *Transactions, Sixth International Congress on Large Dams*, New York, Paris, Vol. 3, pp. 317-331.

U.S. Bureau of Reclamation 1973

U.S. Bureau of Reclamation. 1973. *Design of Small Dams*, 2d ed., U. S. Government Printing Office, Washington, DC.

U.S. Army Engineer District, Rock Island 1965

U.S. Army Engineer District, Rock Island. 1965. "Engineering Investigation and Design Studies for Underseepage Control (Slurry Trench Cutoff) for Taylorville Dam, Des Moines River, Iowa," Design Memorandum, Harza Engineering Co., Rock Island, IL.

Wilson 1969

Wilson, D. S., and Squier, R. 1969. "Earth and Rockfill Dams," State-of-the-Art Volume, *Seventh International Conference on Soil Mechanics and Foundation Engineering*, Mexico, pp 137-223.