

BIBLIOGRAPHY

DEPARTMENT OF DEFENSE

Department of the Army

Corps of Engineers:

1. Technical and Economic Review of Advanced Waste Treatment Processes, 1973.
2. Regional Wastewater Management Systems for the Chicago Metropolitan Area, Technical Appendix, March 1972.
3. Regional Wastewater Management Systems for the Chicago Metropolitan Area, Cost Data Annex to the Technical Appendix, March 1972.
4. Land Disposal of Wastewater, an Assessment of its Impact on the Agricultural Economy, Detroit District, March 1973.
5. Wastewater Irrigation using Privately Owned Farmland in Southeastern Michigan, Phase VI Report, Detroit Dist., 23 July 1973.
6. Land Treatment of Wastewater in Southeastern Michigan, Detroit District, June 1973.
7. Irrigation and Collection Facilities for Southeastern Michigan Wastewater Management Program, Detroit District, November 1972.
8. Economic Assessment, Southeastern Michigan Wastewater Management Study, Detroit District, April 1973.

Environmental Hygiene Agency:

9. Report of Industrial Waste Survey, Red River Army Depot, May 1967 and January 1968.
10. Report of Industrial Waste Survey, Volunteer Army Ammunition Plant, January-February 1966.
11. Report of Preliminary Sanitary Engineering Survey, Iowa Army Ammunition Plant, June 1965.
12. Sanitary Engineering Special Study No. 24-020-70 Domestic Waste Treatment Plant, Fort Knox, Kentucky, 6-11 December 1969.
13. Sanitary Engineering Survey and Industrial Waste Special Study No. 24-038-70/71, Badger Army Ammunition Plant, May 1970.
14. Special Study of Industrial Wastes, Survey No. 24-002-70, Burlington Army Ammunition plant, August 1969.
15. Special Study of Industrial Wastes, " Survey No. 24-006-69/70, New Cumberland Army Depot, October-November 1969.
16. Special Study of Industrial Wastes, Survey No. 24-011-69/70, Radford Army Ammunition Plant, June 1969.
17. Water Quality Engineering Special Study No. 24-001-72, Industrial Wastewater, Radford Army Ammunition Plant, October 1971.
18. Water Quality Engineering Special Study No. 24-009-71, Industrial Waste, Scranton Army Ammunition Plant, December 1970.
19. Water Quality Engineering Special Study No. 24-021 -72/73, Industrial Wastewater, Holston Army Ammunition Plant, June 1971.
20. Water Quality Engineering Special Study No. 24-02%-72/73, Wastewater Study, Joliet Army Ammunition Plant, June 1972.
21. Water Quality Engineering Special Study No. 24-034-71/72, Industrial Wastewater, Twin Cities Army Ammunition Plant, October 1972.
22. Water Quality Engineering Special Study No. 25-030-71/72, Industrial Wastewater, Lake City Army Ammunition Plant, August 1971.

Medical Research and Development Command:

23. A systems Analysis of Water Quality Survey Design, Wilcox, L. C., August 1973.

Department of Air Force

Environmental Health Agency:

24. Toxic Effects of Color Photographic Processing Wastes on Biological Systems, Kelly AFB, August 1970.
25. Water Pollution Survey, Griffith Air Force Base, August 1968.
26. Biological Treatability of T-38 Paint Stripping Wastes, Kelly AFB, May 1967.
27. Treatment of Aircraft Wash Rack Wastewater, Kelly AFB, September 1966.

TM 5-814-8

28. Wastewater Treatment and Discharge Survey, Offutt Air Force Base, Nebraska, October 1973.
Weapons Laboratory:

29. Treatment of Phenolic Aircraft Paint-Stripping Wastewater, Kirtland AFB, January 1973.
30. Chemical Wastes Generated by Air Force Photographic Operations, Kirtland AFB, September 1972.
31. USAF Mobility Program Wastewater Treatment Systems, Kirtland AFB, April 1972.

ENVIRONMENTAL PROTECTION AGENCY:

32. An Investigation of Techniques for Removal of Chromium from Electroplating Wastes, Washington, March 1971.
33. An Investigation of Techniques for Removal of Cyanide from Electroplating Wastes, Washington, November 1971.
34. A State-of-the-Art Review of Metal Finishing Waste Treatment, Washington, November 1968.
35. Treatment of Laundromat Wastes, Washington, February 1973.
36. Quality Criteria for Water, U.S. EPA, U.S. Government Printing Office, Washington, D. C., 1976.
37. Estimating Costs and Manpower Requirements for Conventional Wastewater Treatment Facilities, Washington, October 1971.
38. Treatment of Complex Cyanide Compounds for Reuse or Disposal, Washington, June 1973.
39. Chemical Treatment of Plating Wastes for Removal of Heavy Metals, Washington, May 1973.
40. Procedural Manual for Evaluating the Performance of Wastewater Treatment Plants, Washington.
41. Proposed Criteria for Water Quality, Washington, October 1973.
42. Report on Activated Sludge-Bio-Disc Treatment of Distillery Wastes, Washington, December 1973.
43. Simplified Mathematical Modeling of Water Quality, March 1971 and Addendum of May 1972.
44. Waste Treatment Lagoons-State-of-the-Art, Washington, July 1971.

Technology Transfer Office:

45. In-Process Pollution Abatement-Upgrading Metal-Finishing Facilities to Reduce Pollution, July 1973.
46. Vitrification and Denitrification Facilities-Wastewater Treatment, August 1973.
47. Oxygen Activated Sludge Wastewater Treatment Systems-Design Criteria and Operating Experience, August 1973.
48. Physical-Chemical Wastewater Treatment Plant Design, August 1973.
49. Upgrading Lagoons, August 1973.
50. Waste Treatment-Upgrading Metal-Finishing Facilities to Reduce Pollution, July 1973.
51. Land Treatment of Municipal Wastewater Effluents, Design Factors-1, EPA-625/4-76-010, January 1976.
52. Land Treatment of Municipal Wastewater Effluents, Design Factors-11, EPA-625/4-76-010, January 1976.
53. Land Treatment of Municipal Wastewater Effluents, Case Histories, EPA-625/4-76-010, January 1976.
54. Leffel, R. E., "Direct Environmental Factors at Municipal Wastewater Treatment Works", EPA-430/9-76-003, Washington, D. C., 1976.
55. Evans, F. L. III, Municipal Environmental Research Laboratory, *EPA Technology Transfer: Summary of National Operational and Maintenance Cause and Effect Survey*, U.S. EPA, Environ. Res. Info. Center, Cincinnati, OH, July 1979.
56. Physical Chemical Nitrogen Removal, Wastewater Treatment, EPA 625/4-74-008, July 1974.
57. Wastewater Infiltration, Design Considerations, EPA 625/4-74-0072, July 1974.
58. Evaluation of Reverse Osmosis Membranes for Treatment of Electroplating Rinsewater, EPA-600/2-80-084, May 1980.
59. Alternatives for Small Wastewater Treatment Systems, On-Site Disposal/Septage Treatment and Disposal, EPA-625/4-77-011, October 1977.
60. Alternatives for Small Wastewater Treatment Systems, Cost/Effectiveness Analysis, EPA-625/4-77-011, October 1977.

Office of Research and Development:

61. Wastewater Treatment and Reuse by Land Application, Volumes I and II, August 1973.

Bibliography-2

62. Economics of Consolidating Sewage Treatment Plants by Means of Interceptor Sewers and Force Mains, April 1971.

DEPARTMENT OF INTERIOR

Federal Water Pollution Control Agency (FWPCA):

63. A study of Sludge Handling and Disposal, May 1968.
64. Report of the National Technical Advisory Committee on Water Quality Criteria to the Secretary of Interior, April 1968.

FWPCA Water Research Laboratory:

65. A Compilation of Cost Information for Conventional and Advanced Wastewater Treatment Plants and Processes, December 1967.

Geological Survey:

66. Water Supply Paper No. 2020 (Available from Government Printing Office).

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration:

67. Environmental Enhancement in Airports--Industrial Waste Treatment, April 1973.

TECHNICAL JOURNALS:

Journal of the Water Pollution Control Federation:

68. Antonie, R. L., et al., Evaluation of a Rotating Disk Wastewater Treatment Plant, 46, 1674, 1974.
69. Berthouex, P. M., et al., Discussion/Communication on Cost Index Comparison, May 1973.
70. Dagon, T. J. Biological Treatment of Photo Processing Wastes, October 1973.
71. Fish, H., Pollution Control Financing in the United Kingdom and Europe, April 1973.
72. Gulas, V., et al., Factors Affecting the Design of Dissolved Air Flotation Systems, 50, 1835, 1978.
73. Hunter, J. V. and Heukelekian, H., "The Composition of Domestic Sewage Fractions", 37, 1142, 1965.
74. Ketchum, L. H., Jr., et al., First Cost Analysis of Sequencing Batch Reactors, 51, 235, 1979.
75. Mohanro, G. J., et al., Photo Film Industry Waste: Pollution Effects and Abatement, March 1966.
76. Mohlman, E. W., Industrial Wastes in Wartime, November 1943.
77. Nay, M. W., et al., Biological Treatability of Trinitrotoluene Manufacturing Wastewater, March 1974.
78. Rhodes, G. H., et al., Treatment of Combined Aircraft Overhaul and Domestic Wastes, December 1973.
79. Poduska, R. A. and Anderson, B. D., Successful Storage Lagoon Odor, 53, 299, 1981.
80. Wankoff, W., et al., Evaluation of High- and Low-Speed Centrifuges, 52, 1568, 1981.
81. Matsch, L.C. and Drnevich, R. F., Autothermal Aerobic Digestion, 49, 296, 1977.
82. Koers, D. A. and Mavinic, D. S., Aerobic Digestion of Waste Activated Sludge at Low Temperatures, 49, 460, 1977.
83. Dawda, M. M. and Davidson, M. L., Granular Media Filtration of Secondary Effluent, 50, 2134, 1978.
84. Patterson J. W., et al., Carbonate Precipitation for Heavy Metals Pollutants, 49, 2397, 1977.
85. Pietila, K. A. and Joubert, P. J., Examination of Process Parameters Affecting Sludge Dewatering With a Diaphragm Filter Press, 53, 1708, 1981.

Environmental Science and Technology:

86. Dean, J. G., et al., Removing Heavy Metals From Wastewater, June 1972.
87. Forsten, I., Pollution Abatement in a Munitions Plant, September 1973.
88. Greek B., Deep-Well Disposal Continues, December 1973.
89. Injection Wells Pose a Potential Threat, February 1972.
90. Multipronged Attack on Photo Wastes, November 1971.
91. North Looks at Wastewater Cleanup Needs, November 1973.
92. Witmer, F. E., Reusing Wastewater by Desalination, April 1973.

Water and Waste Engineering

93. Brune, D. N. and Cook, J. H., Air Flotation Answers Airport Needs, August 1974.
94. Monti, R. P. and Silberman, P. T., Wastewater System Alternatives: What they are and what cost? (A Four-Part Series), March-June 1974.

Pollution Engineering:

95. Lin, Y. H. and Lawson, J. R., Treatment of Oily and Metal-Containing Wastewater, November 1973.

Public Works:

96. Loehr, R. D., "Variation of Wastewater Parameters", 99, 81, 1968.
97. Tchobanoglous, George, Wastewater Treatment of Small Communities (A Two-Part Series) July-August 1974.

Civil Engineering:

98. Bouwer, H., What's New in Deep-Well Injection, January 1974.
99. Relative Prices Around the World, October 1971.
100. Ligman, et al., Household Wastewater Characteristics, Vol. 100, 1974.

Journal American Water Works Association:

101. Fiedler, R. P., On-Site Caustic Chlorine Generation for Water Disinfection, January 1974.
102. Okun, D. A., Planning for Water Reuse, October 1973.

Industrial Wastes:

103. Niles, C. F., Jr., Treatment of Industrial Laundry Waste, March-April 1974.

Chemical Engineering:

104. Woods, G. A., Bacteria: Friends or Foes?, 5 March 1973.

Purdue Industrial Waste Conference Proceedings:

105. Dickerson, B. W., Treatment of Powder Plant Wastes, 1951.
106. Lever, N. A., Disposal of Nitrogenous Liquid Effluent from Modderfontein Dynamite Factory, 1966.
107. Mudrack, K., Nitro-Cellulose Industrial Waste, 1966.
108. Montens, A., Treatment of Wastes Originating from Metal Industries, 1967.
109. Schreur, N., The Lancy Integrated System for Treatment of Cyanide and Chromium in Electroplating Plants, 1967.
110. Swisher, R. D., Biodegradation of LAS Benzene Rings in Activated Sludge, 1967.
111. VonAmmon, F. K., New Development in the Treatment of Metal Finishing Wastes by Ion Exchange of Rinse Waters, 1967.
112. Manning, J. C., Deep Well Injection of Industrial Wastes, 1968.
113. Mueller, J. A., and Melvin, W. W., Jr., Biological Treatability of Various Air Force Industrial Wastes, 1968.
114. McClelland, N. J., and Mancy, K. H., The Effect of Surface Active Agents on Substrate Utilization in an Experimental Activated Sludge System, 1969.
115. Patton, T. H., et al., Development of a Water Management Plan for Acid Manufacturing Plant, 1973.
116. Schulte, G. R., et al., The Treatability of a Munitions-Manufacturing Waste with Activated Carbon, 1973.

ENGINEERING TECHNICAL **SOCIETY MANUALS:**

Joint Committee of the Water Pollution Control Federation and the American Society of Civil Engineers:

117. Design and Construction of Sanitary and Storm Sewers, 1970.
118. Sludge Dewatering, 1969.
119. Anerobic Sludge Digestion, 1968.
120. Sewage Treatment Plant Design, 1967.

American Water Works Association:

121. Water Quality and Treatment, 1971.
122. Culp, R. L., Direct Filtration, 69, 375, 1977.
123. Trussell, R. R., et al., Recent Developments in Filtration System Design, 72, 705, 1980.

TEXTBOOKS:

124. Sittig, M., Pollutant Removal Handbook, Noyes Data Corporation, 1973.
125. Metcalf and Eddy, Inc., Wastewater Engineering: Collection, Treatment and Disposal, McGraw-Hill Book Company, 1972.
126. Green Land, Clean Streams, The Beneficial Use of Wastewater Through Land Treatment, Temple University, 1972.

127. Culp, Russell, L., and Culp, Gordon, L., *Advanced Wastewater Treatment*, Van Nostrand Reinhold Company, 1971.
128. Goodman, Brian L., *Manual for Activated Sludge Sewage Treatment*, Technomic Publishing Co., Inc., 1971.
129. Lund, H. F., *Industrial Pollution Control Handbook*, McGraw-Hill Book Company, 1971.
130. Nemerow, Nelson, L., *Liquid Waste of Industry Theories, Practices and Treatment*, Addison-Wesley Publishing Co., 1971.
131. Fair, Gordon, M., et al., *Water and Wastewater Engineering, Volume 2. Water Purification and Wastewater Treatment and Disposal*, John Wiley and Sons, Inc., 1968.
132. Davis, D. L., *Chemistry of Powder and Explosives*, 1943.
133. Adams, Ford and Eckenfelder, *Development of Design and Operational Criteria for Wastewater Treatment*, Enviro Press, Inc., 1981.
134. Culp, Wesner and Culp, *Handbook of Advanced Wastewater Treatment, Second Edition*, Van Nostrand Reinhold Environmental Engineering Series, Litton Educational Publishing, Inc., 1978.
135. Eckenfelder, W., *Principles of Water Quality Management*, CBI Publishing Company, Inc., 1980.
136. Clark, Viessman and Hammer, *Water Supply and Pollution Control, Third Edition*, Harper and Row, 1977.
137. Cherry, F., *Plating Waste Treatment*, Ann Arbor Science, 1982.
138. Tchobanoglous, Theisen and Eliassen, *Solids Wastes: Engineering Principles and Management Issues*, McGraw-Hill Book Company, 1977.
139. Rich, G., *Low-Maintenance Mechanically Simple Wastewater Treatment Systems*, McGraw-Hill, Inc., 1980.
140. Dinges, R., *Natural Systems for Water Pollution Control*, Van Nostrand Reinhold, 1982.
141. Bewick, W. M., *Handbook of Organic Waste Conversion*, Van Nostrand Reinhold, 1980.
142. Eckenfelder, W. W. and Adams, C. E., *Process Design Techniques for Industrial Waste Treatment*, 1974.
143. Adams, C. E., and Ford, D. L., and Eckenfelder, W. W., *Development of Design and Operational Criteria for Wastewater Treatment*.
144. Butler, S. S., *Engineering Hydrology*, Prentice-Hall, Inc., 1957.
145. Arbuckle, J. Gordon, et al., *Environmental Law Handbook*, 5th ed., Government Institutes Inc., Washington, D. C., 1978.
146. Babbitt, H. E. and Baumann, E. R., *Sewerage and Sewage Treatment*, John Wiley and Sons, Inc., 1967.
147. Camp, Thomas R., *Water and its Impurities*, Reinhold Publishing Corporation, 1963.
148. Rich, L. G., *Unit Processes of Sanitary Engineering*, John Wiley and Sons, Inc., 1963.
149. Eckenfelder, W. W. and O'Conner, D. J., *Biological Waste Treatment*, Pergamon Press, 1961.
150. Rich, L. G., *Unit Operations of Sanitary Engineering*, John Wiley and Sons, Inc., 1961.

OTHER PUBLICATIONS:

151. *Standard Methods for the Examination of Water and Wastewater*, American Public Health Association, American Water Works Association, Water Pollution Control Federation, Washington, D. C.
152. *Recommended Standards, for Sewage Works, A Report of Committee of the Great Lakes-Upper Mississippi River Board of State Sanitary Engineers*, 1971.
153. McKee, Jack Edward and Wolf, Harold W., *Water Quality Criteria*, 2nd ed., The Resources Agency of California, State Water Quality Control Board, Publication No. 3-A, 1963.
154. *Second International Symposium for Waste Treatment Lagoons*, Missouri Basin Engineering Health Council and Federal Water Quality Administration, Kansas City, Missouri, 23-25 June 1970.
155. *Disposal of Photographic Processing Wastes*, Eastman Kodak Company Publication J-28, 1969.
156. Boyd, J. L., et al., "Treatment of Oily Wastewater to Meet Regulatory Standards", Presented before American Institute of Chemical Engineers, Toledo, Ohio, March 1971.
157. *Sludge Handling and Disposal-Phase I-State-of-the-Art*, prepared for Metropolitan Sewer Board of the Twin Cities by Stanley Consultants, Inc., November 1972.
158. Goodman, B. and Foster, J. W., *Notes on Activated Sludge*, Smith and Lovelace, Lenaxa, Kansas, 1969.

159. Innovative Wastewater Treatment System Eliminates Equipment Produces High Quality Effluent with Dramatic Cost Savings, presented before WPCF Conference, St. Louis, MO, 1982.
160. "Study of Wastewater Characteristics on Vehicle Washrack Discharges at Ft. Stewart, Georgia", McWhorter and Associates, Inc., 1979.
161. Eckenfelder, W. W. and Ford, D. L. and Burleson, N., Unpublished report, 1968.
162. Mohlman, F. W. and Edwards, G. P., Industrial Engineering Chemistry, Analytical Edition, 3:119 1931.
163. "Local Pretreatment Requirements and Guidance", Environmental Technology Consultants Inc., Springfield, VA, June 1979.
164. Overcash, M. R. and Pal., D., "Design of Land Treatment Systems for Industrial Wastes—Theory and Practice", Ann Arbor Science Publishers, Inc., Ann Arbor, MI, 1979.
165. Warner, D. L., "Deep Well Disposal", in Industrial Waste Disposal, R. D. Ross, (ed), Van Nostrand Reinholds Co., New York, pp 245-260, 1968.
166. Teske, M. G. Recirculation-An Old Established Concept Solves Some Old Established Problems, WPCF Conference, 1978.
167. Water Pollution Control Federation, Manual of Practice (MOP 8), 1977.
168. ISCO, Open Channel Flow Measurement Handbook, 1979.