

CONTENTS

| | |
|--|-----|
| Chemical Sludge Dewatering on Sand Beds <i>by John T. Novak and Gail E. Montgomery</i> | 1 |
| Makeup Requirements for Cooling Ponds <i>by John C. Sonnichsen, Jr.</i> | 15 |
| Automatic Control of Large-Scale Combined Sewer Systems <i>by John W. Labadie, Neil S. Grigg, and Bruce H. Bradford</i> | 27 |
| Future of Sanitary Landfill <i>by Bruce Thompson and Iraj Zandi</i> | 41 |
| Evaluation of Environmental Impact of Landfills <i>by Patrick Caffrey, Martin David, and Robert K. Ham</i> | 55 |
| Physiochemical Approach to Water and Wastewater Filtration <i>by Mriganka M. Ghosh, Thomas A. Jordan, and Ronald L. Porter</i> | 71 |
| Clean Air Equals Dirty Water <i>by Donald C. Tillman</i> | 87 |
| Landfill Disposal of Liquid Sewage Sludge <i>by Ralph Stone</i> | 91 |
| Urban Runoff Pollution Control—State-of-the-Art <i>by Richard Field and John A. Lager</i> | 107 |

→

This Journal is published bimonthly by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price to members is \$7.00. Nonmember subscriptions available; prices obtainable on request. Second-class postage paid at New York, N.Y. and at additional mailing offices. EE, EM.

The Society is not responsible for any statement made or opinion expressed in its publications.

| | |
|--|-----|
| Modeling Sewage Treatment Plant Input BOD Data by Paul M. Berthouex, William G. Hunter, Lars C. Pallesen, and Chun-Yen Shih | 127 |
| Use of Crushed Limestone to Neutralize Acid Wastes by Frank H. Pearson and Archie J. McDonnell | 139 |

DISCUSSION

Proc. Paper 11085

| | |
|--|-----|
| Generic Feed Forward Control of Activated Sludge , by John J. Davis, Richard I. Kermode, and Robert W. J. Brett (June, 1973. Prior Discussions: June, 1974). <i>closure</i> | 161 |
| Tracer Dispersion of High Rate Settling Tanks , by Hassan M. El- Baroudi and David R. Fuller (June, 1973. Prior Discussion: June, 1974). <i>closure</i> | 161 |
| Competitive Growth of Sewage Organisms , by Calvin P. C. Poon and Kuang K. Wang (Aug., 1973. Prior Discussion: June, 1974). <i>closure</i> | 163 |
| Wastewater Management Studies by the Corps of Engineers , by Willard Roper (Oct., 1973. Prior Discussion: Aug., 1974). <i>closure</i> | 164 |
| Response of Completely Mixed Systems to Hydraulic Shock Loads , by Thazhethil K. George and Anthony F. Gaudy, Jr. (Oct., 1973. Prior Discussion: Aug., 1974). <i>closure</i> | 165 |
| Design Optimization for Biological Filter Models,^a by Harold B. Gotaas and William S. Galler (Dec., 1973. Prior Discussion: Oct., 1974). by William C. Pisano and Joseph J. Harrington | 167 |
| Diversion of Waste Waters from Madison Lakes,^a by William C. Sonzogni and G. Fred Lee (Feb., 1974). by James K. Edzwald | 170 |

^aDiscussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.

| | |
|---|------------|
| Critique of Water Pollution Control Act,^a by Anthony H. J. Dorcey and Irving K. Fox (Feb., 1974. Prior Discussion: Oct., 1974). by <i>John M. Henderson</i> | 173 |
| Environmental Design for Istanbul Sewage Disposal,^a by Charles G. Gunnerson (Feb., 1974. Prior Discussion: Dec., 1974). by <i>John M. Hernandez</i> | 175 |
| Atmospheric Diffusion and Deposition of Particulate Matter, by Robert W. Cleary, Donald Dean Adrian, and Richard J. Kinch (Feb., 1974). <i>errata</i> | 177 |
| Stochastic Analysis of Orthokinetic Flocculation, by Perry W. Cockerham and David M. Himmelblau (Apr., 1974). <i>errata</i> | 178 |
| Evaluation of Fecal Streptococci for Chlorinated Secondary Sewage Effluents, by Shundar Lin (Apr., 1974). <i>errata</i> | 178 |
| Sewer Line Design Based on Critical Shear Stress,^a by Kuan M. Yao (Apr., 1974). by <i>A. Sundar and Hin F. Cheong</i> | 179 |
| Optimization of Urban Air Monitoring Networks,^a by William P. Darby, Paul J. Ossenbruggen, and Constantine J. Gregory (June, 1974). by <i>John C. Liebman and Lewis A. Rossman</i> | 181 |
| NO_x Emissions from Stationary Combustion Sources,^a by the Committee on Atmospheric Pollution of the Environmental Engineering Division (June, 1974). by <i>Thomas T. Shen</i> | 183 |
| Consumers Water Quality Index,^a by Thomas M. Walski and Frank L. Parker (June, 1974). by <i>Richard H. McCuen</i> by <i>M. W. Rogers</i> | 185 188 |
| Philadelphia Pilots—Builds Oxygen Activated Sludge,^a by Carmen F. Guarino, Michael D. Nelson, and Allan B. Edwards (Aug., 1974). by <i>Larry Benefield and Clifford W. Randall</i> | 189 |

^aDiscussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.