

REFERENCE

- Andoh, R.Y.G. (1994), Urban Runoff: Nature, Characteristics and Control, *J. International Water Environmental Management*, 8, p.371-378.
- APHA (American Public Health Association): Standard methods for the examination of water and wastewater, (1995), 19th Edn, APHA, Washington, DC.p.5-21.
- Aziz, A.A.A., Kretser de, R. G., Dixon, D. R. & Scales, P.J., (1999) The Characterization Of Slurry Dewatering In Sludge Management For The 21st Century, *J.Water Science & Technology*, Ho, G. & Mantele, S.S. (eds), 41.p.9-16.
- Beckley, J. and Banarjee, S. (1999), Operational Issues With Impulse Drying Sludge, *J.Water Science And Technology*, 40.p.163-168.
- Billmeyer, F. W. (1984), Textbook of Polymer Science, A Wiley Interscience Publication, John Wiley and Sons, Canada. p.27-32.
- Bockhorn, H., Heritschel, J., Hornung, A., Hornung, U. (1999), Environmental Engineering: Stepwise Pyrolysis of Plastic Waste. Chemical Engineering Science, Pergamon, 54,p.3043-3051.
- Boon, A.G. and Thomas, V.K. (1998), Intensification of the Activated-Sludge Process (Abridged). *J. Water And Environmental Management*, 12, 357-359.
- Brydson, J. A. (1989), Plastic Materials, 5th Edition, Anchor Press Ltd, Tiptree, Essex, p.291-302.
- Byung, R. K. (1989), Effect of ammonia on COD Analysis. *J. Water Pollut. Control Fed*, 61, p.614.
- Carberry, J.B. Biological Characteristics Of Sludge, (1983), in Carberry, J.B & Englande A. J. Jr. (eds), Sludge Characteristics and Behavior, Martinus Nijhoff Publishers, p.28-99.

Carrol, W. F. Jr., Berger, T.C., Borrelli, F.E., Garrity, P.J., Jacobs, R. A., Lewis, J.W., McCready, R.L., Tuhovak, D.R. & Weston, A.F. (1998), Characterization Of Emissions Of Dioxins And Furans From Ethylene Dichloride (EDC), Vinyl Chloride (VCM) And Polyvinylchloride (PVC). Manufacturing Facilities In The United States. I. Resin, Treated Wastewater, And Ethylene Dichloride. *J.Chemosphere*, 37. Nos 9-12, p.1957-1972.

Chang, C., Ma, Y and Lo, C., (2002), Application Of Oxidation-reduction Potential As A Controlling Parameter In Waste Activated Sludge Hydrolysis. *J.Chemical Engineering Journal*. 90, p. 273-281.

Charpentier, J. and Martin, G. (1996), New Approach To Oxygen Requirement For Low-Load Activated Sludge. *J.Water Resource*. 30, No. 10. p. 2347-2356.

Cheng, T. T., Chous, P.Y., Huanga, M.L., Duc, C. L., Wogna, R.H. & Chena, C.P. (2000) Increased Lymphocyte Sister Chromatid Exchange Frequency In Workers With Exposure To Low Level Of Ethylene Dichloride. *Journal of Mutation Research/Genetic Toxicology And Environmental Mutagenesis*. 470, Issue 2, p. 109-114.

Daigger, J.A.B. and Stephenson, J.P. (1992), Analysis of Techniques For Evaluating And Optimizing Existing Full-Scale Wastewater Treatment Plants.25.No. 4-5.p.103-104.

Davis, P.A., Shokouhian, M., Sharma, H., Minami, C. (2001), Laboratory Study of Biological Retention for Urban Stormwater Management. *J.Water Environment Research*,73,p.5-21.

Dentel, K. S. & Abu-Orf, M. M. (1993) Application Of The Streaming Current Detector In Sludge Conditioner Selection And Control. *J. Wat. Sci. Tech*, 35, p.45-46.

Department of Environment, Ministry of Science, Technology and the Environment Malaysia. (2001), Malaysia Environmental Quality Report. p.62-66.

Dharmappa, H.B., Hasia, A. and Hagare, P. (1997), Water Treatment Plant Residuals Management. *J.Wat. Sci. Tech*, 35, p.45.

Drinan, J. E. (2001), Water & Wastewater Treatment: A Guide for the Nonengineering Professional, Technomic Publishing Co., Inc, Lancaster USA, p.27-43.

Eckenfelder, W.W. Jr. (1989), Industrial Water Pollution Control, 2nd Edition,p.10-25.

Eckenfelder, W. W., Grau, P. (1998), Activated Sludge Process Design And Control Theory And Practice, Vol 1, @2nd Edition, Technomic Publishing Co., Lancaster, p.162-165.

Editors: Hester, R. E. & Harrison M.R. (1995), Water Treatment And Disposal. Issues In Environmental Science & Technology, 3. p.35.

Endo, K. (2002) Synthesis and Structure of Poly (Vinyl Chloride). *J.Prog. Polym. Sci.* 27.p. 2021-2054.

Environmental Quality Act And Regulations. Details on Environmental Quality Act And Regulations Amendments From 1980 to June,1998. MDC Publishers Printers S.B. Act 127, p 61.

Fonade, C., Doubravine, N., Maranges, C. and Morchain, J., (2002), Influence Of A Transverse Flowrate On The Oxygen Transfer Performance In Heterogeneous Aeration: Case Of Hydro-Ejectors. *J.Water Resources*, 35. p.3429-3435.

Foot, R. J. (1992), Effects of Process Control Parameters on the Composition and Stability of Activated Sludge *J. Water And Environmental Management*, 6, 215-221.

Forster, F. C. (1985), Biotechnology And Wastewater Treatment. Cambridge University Press. p.211-238.

Giokasa, D.L., Kimb, Y., Paraskevasc, P.A., Paleologosa, E.K. and Lekkasc, T.D. (2002), A Simple Empirical Model For Activated Sludge Thickening In Secondary Clarifiers, *J. Water Research*, 36, p.3245-3252.

Gray, V. A. (1985), Removal of Phosphate At Sewage Treatment Works and Implications On Phosphate Loadings Into Lough Neagh. *J.Institution of Water Engineering and Scientists*, 39,p.137-154.

Grady, Jr. L. C. P., Daigger, G.T. and Lim, H.C. (1999), Biological Wastewater Treatment Second Edition, Revised And Expanded, Marcel Dekker, Inc. New York, p.191-200.

Gregory, J. Physical Properties, (1983), in Carberry, J.B & Englande A. J. Jr. (eds), Sludge Characteristics and Behavior, Martinus Nijhoff Publishers, p.1-24.

Grulois, P., Bousseau, A., Blin, E & Fayoux, C. (1993), Evaluation Of The Impact Of Return Flows On The Operation Of A Wastewater Treatment Plant. *J. Wat. Sci. Tech.*, 28, p. 273-281.

Grunebaum, T. and Dorgeloh, E. (1992), Biological Phosphorus Elimination Combined With Precipitation And Flocculation. *J. Water Science Technology*. 25, No 4-5, p. 219-224.

Guang, H., Kyoung, J., Saby, S., Brois, E. and Djafer, M. (2003,) Possible Cause Of Excess Sludge Reduction In An Oxic-Settling-Anaerobic Activated Sludge Process (OSA Process). *J. Water Research*, 37, p.3855-3866.

Guellili, A., Thomas, F., Block, C.J., Bersillon, J.L., and Ginestet, P. (2001), Transfer Of Organic Matter Between Wastewater And Activated Sludge Flocs, *J. Water Research*, 35, No.1, p.143-150.

Hach DR/2010 Spectrophotometer, Procedures Manual, (1996-1999). Hach Company.

Hammer, M.J., & Hammer, M.J. Jr. (1986), Water And Wastewater Technology, 3rd Edn. Prentice Hall International, Inc. p.10-500.

Harremoes, P. (2000), Advanced Water Treatment As A Tool In Water Scarcity Management, *J. Water Science and Technology*, 41,No. 12,p.73-92.

Hansen, E., Zadura, F., Frankowski, S. and Wachowicz, M. (1999), Upgrading Of An Activated Sludge Plant With Floating Biofilm Carriers At Frantschach Swiecie S.A. To Meet The New Demands Of Year 2000, *J. Water Science And Technology*, 40,p.207-214.

Henry, J.G. and Heinke, G.W. (1989), Environmental Science And Engineering, Prentice-Hall International, Inc. p.415-480.

Hess, F. T., Silverstein, J., Schmidt., K. S. (2003), Effect of glucose on 2,4-dinitrophenol degradation kinetics in sequencing batch reactors, *J. Water Environmental Research*, 65, No.1, p.73-81.

Horan, N. J. (1990), Biological Wastewater Treatment Systems, Theory and Operation. John Wiley & Sons. P.50-180.

Hounslow A.W. (1995), Water Quality Date Analysis & Interpretation. Lewis Publishers.p.11-13.

Hufschmid, A., Slooten, K.B., Strawczynski, A., Vioget, P., Parra, S., Peringer, P. and Pulgarin, C., (2003), BOD₅ Measurements Of Water Presenting Inhibitory Cu²⁺. Implications In Using Of BOD To Evaluate Biodegradability Of Industrial Wastewaters. *Chemosphere*, 50, p.171-176.

Hodkinson, B. J., Williams, J.B. and Ha, T. N. (1998), Effects of Plastic Support Media on the Diffusion of Air in a Submerged Aerated Filter. *J. Water And Environmental Management*, 12,p.188.

Huang, J. C. and Li, L. (2000), An Innovative Approach To Maximize Primary Treatment Performance, *J. Water Science and Technology*, 42,No. 12,p.209-222.

Jahren, J.S., Rintala, A.J. and Odegaard, H. (1999), Anaerobic Thermophilic (55OC) Treatment Of TMP Whitewater In Reactors Based On Biomass Attachment And Entrapment, *J. Water Science and Technology*, 40,p.67-75.

Jiang, Z., Yang, H., Sun, L., Shi, S., (2002), Integrated Assessment For Aerobic biodegradability Of Organic Substances. *Chemosphere*, 48. p. 133-138.

Junkins, R., Deeny, K., Eckhoff, T., (1983), The Activated Sludge Process: Fundamentals Of Operation. Aann Arbor Science Publishers.p.43-87.

Kaindl, N., Tillman, U. and Mobius, C.H. (1999), Enhancement Of Capacity And Efficiency Of A Biological Waste Water Treatment Plant, *J. Water Science And Technology*, 40,p.231-239.

Katsire, K. A (1998), Characterization Of Wastewater Sludges End User's View in Colin, F. & Quevauviller, P. (eds) p.75-88.

Khudenko, B.M., Shpirt, E. Geometric Parameters And Efficiency Of Diffused Air Systems, 1983, Scale Up of Water and Wastewater Treatment Processes, in Schmidtke, N.W. and Smith, D.W. (eds), *First International Workshop on Scale-Up of Water and Wastewater Treatment Processes*, Alberta, Canada: p.89-90.

Larsen, T.A. and Gujer, W. (2001), Waste Design And Source Control Lead To Flexibility In Wastewater Management, *J. Water Science And Technology*, 43,p.309-318.

Lindberg, C. and Carlsson, B. (1996), Nonlinear And Set-Point Control Of The Dissolved Oxygen Concentration In An Activated Sludge Process, *J. Wat. Sci. Tech.*, 34, p.135.

Lin, C.F. and Shien, Y. (2001), Sludge Dewatering Using Centrifuge With Thermal/Polymer Conditioning. *J.Water Science Technology*. 44, No 10, p.321-325.

Lowe, P. and Shaw, D. (1992), Development Of The Membrane Filter Press For The Processing Of Sewage Sludge. *J.Water Science Technology*. 25, No 4-5, p.297-305.

Mishoe, L.G. (1999), F/M Ratio And The Operation Of An Activated Sludge Process, *J.Water Resources Floride*. p.20-21.

Miserez, K., Philips, S. & Verstraete, W. (1999), New Biology For Advanced Wastewater Treatment. Advanced Wastewater Treatment, Recycling and Reuse, Water Science & in Bonomo, L., Nurizzo, C., Mujeriego, R. & Asano, T. (eds), 40, No.4-5: p.137-144.

Muller, J.A. (2001) Prospects And Problems Of Sludge Pre-Treatment Processes, *J.Water Science & Technology*, 44.p.121-128.

Muller, J. (1999) Disintegration As A Key-Step In Sewage Sludge treatment, In Sludge Management For The 21st Century, *J.Water Science & Technology*, Ho, G. & Mantele, S.S. (eds) ,41.p.9-16.

Mujeriego, R. & Asano, T. (1999), The Role Of Advanced Treatment In Wastewater Reclamation And Reuse *J.Water Science Technology*. 40. No.4-5, p.1-9.

Novak, T. J. (2001), The Effect of the Ammonium Ion on Activated-Sludge Settling Properties. *J. Water Environment Research*, 73,p. 411.

Olsson, G. and Newell, B. (1999), Wastewater Treatment Systems; Modelling, Diagnosis and Control, 1st Edition, IWA Publishing, UK.p.27-55.

*Operations And Maintenance Manual, Centralized Facility Utility Effluent Treatment Plant, Ionics Enersave Engineering Sdn. Bhd, Doc#:9806-A1513/01.

Orhon, D., Tash, R. and Sozen. S. (1999), Experimental Basis of Activated Sludge Treatment For Industrial Wastewater-The State Of The Art. *J.Water Science Technology*. 40. No. 1.p.1-7.

Palmgren, T. and Hugmark, H. (1992), Pollution Sources, Water And Sludge Quality. *J.Water Science Technology*. 25. No. 4-5.p.425-426.

Panswad, T. and Anan, C. (1999), Impact Of High Chloride Wastewater On An Anaerobic/Anoxic/Aerobic Process With And Without Inoculation Of Chloride Acclimated Seeds *J.Water Resources*. 33. No. 5. p. 1165-1172.

Pocernich, M. and Litke, W. D. (1997), Nutrient Concentrations in Wastewater Treatment Plant Effluents, South Platte River Basin. *J.American Water Research Association*. 33.No.1.p.205-214.

Prendl, L. and Nikolavcic, B. (2000), Aerobic Treatment Of Industrial Wastewater – Experiences With The Dosage of Nitrogen And Phosphorus. *J. Water Science Technology*. 41. No. 9.p.241-249.

Remoudake, E., Hatzikioseyian, A., Kousi, P. and Tsezos, M. (2003), The Mechanism Of Metals Precipitation By Biologically Generated Alkalinity In Biofilm Reactors, *J. Water Research*, 37, p.3843-3854.

Saby, S., Djafer, M. and Chen, G., (2003) Effect Of Low ORP In Anoxic Sludge Zone On Excess Sludge Production In Oxic-Settling-Anoxic Activated Sludge Process. *J.Water Research*. 37.p.11-20.

Saeki, Y. and Emura, T. (2002), Technical Progresses for PVC Production. *Prog. Polymer. Sci.*27.p.2055-2131.

Schleich, J. and White, D. (1997), Nutrient Reduction in Watershed Management Using Linear Programming. *J. American Water Resources Association*,33. No.1,p.135-142.

Shao, Y. J., Crosse, J., Keller, E. and Jenkins, D. (1992), High Rate Air Activated Sludge Operation At The City Of Los Angeles Hyperion Wastewater Treatment Plant. *J.Water Science Technology*.25.No.4-5, p75-87.

Spellman F. R. (1997), Dewatering Biosolids, Technomic Publishing Co., Inc.p.8-160.

Stokes, A. J., West, J. R., Forster, C. F. and Davies, W. J. (2000), Understanding Some Of The Differences Between The COD- And BOD-Based Models Offered In Stoat. *J.Water Resources*. 34. p.1296-1306.

Sundarajan, A. and Ju, L. K. (1995), Biological Oxygen Transfer Enhancement in Wastewater Treatment Systems. *J. Water Environmental Research*,67, No.5,p.848-854.

Tillman, M. G. (1996), Water Treatment Troubleshooting & Problem Solving, Lewis Publishers. p.3-9.

Turkman, A and Uslu, O. (1991)(eds.), New Developments In Industrial Wastewater Treatment, Kluwer Academic Publishers, Netherlands.p. 93-109.

Van Lier, J.B. and Letting, G. (1999), Appropriate Technologies For Effective Management Of Industrial And Domestic Waste Waters: The Decentralised Approach, *J.Water Science and Technology*, 40,p.171-183.

Vesilind, P.A., 1983, Scale Up of Water and Wastewater Treatment Processes, in Schmidke, N.W. and Smith, D.W. (eds), *First International Workshop on Scale-Up of Water and Wastewater Treatment Processes*, Alberta, Canada: p.217-220.

Vorkamp, K., Herrmann, R and Jacobsen, T. (2001), Characterization of Organic Matter From Anaerobic Digestion of Organic Waste By Aerobic Microbial Activity. *J.Bioresource Technology*, 78, p. 257-265.

VUILLEMIN, T.H.M., Lagarde, F., Chauviere, C., Heduit, A., (2002) Hydrogen Peroxide (H_2O_2) As A Source Of Dissolved Oxygen In COD-Degradation Respirometric Experiments. *J. Water Research*. 36, p.793-798.

Weber, W.J. Jr., DiGiano, A. F. (1996) Process Dynamics In Environmental Systems. Environmental Science And Technology. A Wiley-Interscience Publication. P. 398.

Wilderer, P.A. and Schreff, D. (2000), Decentralized And Centralized Wastewater Management: A Challenge For Technology Developers, *J.Water Science and Technology*, 41,No.1,p.1-8.

William, T. R. (1971); External Corrosion and Deposits, Boilers and Gas Turbines, American Elsevier Publishing Company, Inc. New York, p.2-11.