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REFERENCE LIST

Asbjørn Haaning Nielsen
Assistant Professor of Environmental Engineering

Peer reviewed journal papers

1. **Nielsen, A.H.**, Hvitved-Jacobsen, T., Vollertsen, J. (2007). Effect of pH and iron concentrations on sulfide precipitation in wastewater collection systems. *Submitted for publication in Water Environment Research*.
2. **Nielsen, A.H.**, J. Vollertsen, Jensen, H.S., Madsen, H.I. and T. Hvitved-Jacobsen (2007). Aerobic and anaerobic transformations of sulfide in a sewer system - field study and model simulations. *In press for Water Environment Research*.
3. Vollertsen, J., **Nielsen, A.H.**, Jensen, H.S. and T. Hvitved-Jacobsen (2006). Modeling the Formation and Fate of Odorous Substances in Collection Systems. *Accepted for publication in Water Environment Research*.
4. **Nielsen, A.H.**, Hvitved-Jacobsen, T., Vollertsen, J. (2007). Effects of iron on chemical sulfide oxidation in wastewater from sewer networks. *Journal of Environmental Engineering*, 133(6), 655-658.
5. **Nielsen, A.H.**, Hvitved-Jacobsen, T. and Vollertsen, J. (2006). Recent findings on sinks for sulfide in gravity sewer networks. *Water Science and Technology*, 54(6-7), 127-134.
6. **Nielsen, A.H.**, Vollertsen, J. and Hvitved-Jacobsen, T. (2006). Kinetics and stoichiometry of sulfide oxidation in sewer wastewater – effects of pH and temperature. *Water Environment Research*, 78(3), 275-283.
7. **Nielsen, A.H.**, Vollertsen, J. and Hvitved-Jacobsen, T. (2005). Discussion of 'modeling hydrogen sulfide emission rates in gravity sewage collection systems' by Ori Lahav, Yue Lu, Uri Shavit, and Richard E. Loewenthal. *Journal of Environmental Engineering*, 131(12), 1761-1762.
8. **Nielsen, A.H.**, Hvitved-Jacobsen, T. and Vollertsen, J. (2005). Kinetics and stoichiometry of sulfide oxidation by sewer biofilms. *Water Research*, 39(17), 4119-4125.
9. **Nielsen, A.H.**, Lens, P., Hvitved-Jacobsen, T. and Vollertsen, J (2005). Effects of aerobic-anaerobic transient conditions on sulfur and metal cycles in sewer biofilms. *Biofilms*, 2(2), 81-91.
10. **Nielsen, A.H.**, Lens, P., Vollertsen, J. and Hvitved-Jacobsen, T. (2005). Sulfide-Iron Interactions in Domestic Wastewater from a Sewer. *Water Research*, 39(12), 2747-2755.
11. **Nielsen, A.H.**, Yongsiri, C., Hvitved-Jacobsen, T. and Vollertsen, J. (2005). Simulation of sulfide buildup in wastewater and atmosphere of sewer networks. *Water Science and Technology*, 52(3), 201-208.
12. Vollertsen, J., Hvitved-Jacobsen, T. and **Nielsen, A.H.** (2005). Stochastic modeling of COD transformations in gravity sewers. *Water Environment Research*, 77(4), 331-339.
13. Vollertsen, J., **Nielsen, A.H.**, Weixiao, Y. and Hvitved-Jacobsen, T. (2005). Effects of in-sewer processes – a stochastic model approach. *Water Science and Technology*, 52(3), 171-180.

14. **Nielsen, A.H.**, J. Vollertsen and T. Hvitved-Jacobsen (2004). Chemical sulfide oxidation of wastewater – effects of pH and temperature. *Water Science and Technology*, 50(4), 185 - 192.
15. **Nielsen, A.H.**, Vollertsen, J. and Hvitved-Jacobsen, T. (2003). Determination of kinetics and stoichiometry of chemical sulfide oxidation in wastewater of sewer networks. *Environmental Science and Technology*, 37(17), 3853 - 3858.

Conference Papers

16. Jensen, H.S., **Nielsen, A.H.**, Wium-Andersen, T., Hvitved-Jacobsen, T. and Vollertsen, J. (2007) Survival of hydrogen sulfide oxidizing bacteria on corroded concrete surfaces. *Submitted for 5th International Conference on Sewer Processes and Networks, Delft, The Netherlands, 28-31 August 2007.*
17. Vollertsen, J., Lange, K.H., **Nielsen, A.H.**, Nielsen, N.H. and Hvitved-Jacobsen, T. (2007). Treatment of urban and highway stormwater runoff for dissolved and colloidal pollutants. *Proceedings from the NOVATECH 2007, Lyon, France, 25-28 June 2007.*
18. **Nielsen, A.H.**, J. Vollertsen, Jensen, H.S., Madsen, H.I. and T. Hvitved-Jacobsen (2006). Aerobic and anaerobic transformations of sulfide in a sewer system - field study and model simulations. *Proceedings from the WEFTEC 2006, Water Environment Federation, Dallas, Texas, USA, 21-25 October 2006.*
19. Vollertsen, J., **Nielsen, A.H.**, Jensen, H.S. and T. Hvitved-Jacobsen (2006). Modeling the Formation and Fate of Odorous Substances in Collection Systems. *Proceedings from the WEFTEC 2006, Water Environment Federation, Dallas, Texas, USA, 21-25 October 2006.*
20. Vollertsen, J., Åstebøl, S.O., Coward, J.E., Fageraas, T., Madsen, H.I., **Nielsen, A.H.** and Hvitved-Jacobsen, T. (2006). Monitoring and modeling the performance of a wet pond for treatment of highway runoff in cold climates. *Proceedings from the 8th Highway and Urban Environment Symposium, Nicosia, Cyprus, 12-14 June 2006.*
21. Hvitved-Jacobsen, T., J. Vollertsen and **A.H. Nielsen** (2005). Odor from sewer networks - processes and prediction. *Proceedings from the 9th NORDIWA (Nordic International Water Association) Conference on Collection and Treatment of Wastewater, Stockholm, 7-9 November 2005, pp 15.*
22. **Nielsen, A.H.**, Hvitved-Jacobsen, T. and Vollertsen, J. (2005). Recent findings on sinks for sulfide in gravity sewer networks. *Proceedings from the 10th International Conference on Urban Drainage, Copenhagen, Denmark, 21-26 August 2005.* Later published in: *Water Science and Technology*, 54(6-7), 127-134.
23. **Nielsen, A.H.**, Yongsiri, C., Hvitved-Jacobsen, T. and Vollertsen, J. (2005). Simulation of sulfide buildup in wastewater and atmosphere of sewer networks. *Proceedings from the 4th International Conference on Sewer Processes and Networks, Funchal, Madeira, Portugal, 22-24 November 2004.* Later published in: *Water Science and Technology*, 52(3).
24. Vollertsen, J., **Nielsen, A.H.**, Yang, W. and Hvitved-Jacobsen, T. (2005). Effects of in-sewer processes – a stochastic model approach. *Proceedings from the 4th International Conference on Sewer Processes and Networks, Funchal, Madeira, Portugal, 22-24 November 2004.* Later published in: *Water Science and Technology*, 52(3).

25. **Nielsen, A.H.**, J. Vollertsen and T. Hvitved-Jacobsen (2004). Chemical sulfide oxidation of wastewater – effects of pH and temperature. *Proceedings from the 2nd IWA (International Water Association) International Conference on Odour & VOCs, Singapore, 14-17 September 2003*. Later published in: *Water Science and Technology*, 50(4), 185 - 192.
26. Hvitved-Jacobsen, T., Vollertsen, J., Yongsiri, C., **Nielsen, A.H.** and Abdul-Talib, S. (2002). Sewer microbial processes, emissions and impacts. *Proceedings from the 3rd International Conference on Sewer Processes and Networks, Paris, France, 15-17 April 2002*.

Papers in preparation

27. Vollertsen, J., Lange, K.H., Pedersen, J., Hallager, P., Bruus, A., Laustsen, A., Bundesen, V.W., Brix, H., Nielsen, **A.H.**, Nielsen, N.H. and Hvitved-Jacobsen, T.: Treatment of soluble and colloidal pollutants in stormwater runoff. *Abstract submitted for the 10th Nordic Wastewater Conference, Hamar, Norway, 12-14 November 2007*.
28. Jensen, H.S., **Nielsen, A.H.**, Wium-Andersen, T., Hvitved-Jacobsen, T. and Vollertsen, J.: Hydrogen sulfide oxidation on the surface of a corroded concrete sewer pipe. *Abstract submitted for the IWA Biofilm Technologies Conference, Singapore, 8-10 January 2008*.

Other publications

29. Vollertsen, J., **Nielsen, A.H.** and Hvitved-Jacobsen, T. (2006). Svovlbrinte i afløbssystemet. *Mikroben*, 37, 17-21.
30. Vollertsen, J., **Nielsen, A.H.**, Rasmussen, M.R. and Hvitved-Jacobsen, T. (2006). Våde regnvandsbassiner (Wet detention ponds). *Mikroben*, 34, 4-9.
31. **Nielsen, A.H.** (2005). Oxidation and Precipitation of Sulfide in Sewer Networks. *Ph.D. dissertation, Section of Environmental Engineering, Department of Life Sciences, Aalborg University, Denmark*. ISBN 87-90033-34-5.
32. Vollertsen, J., **A.H. Nielsen** and T. Hvitved-Jacobsen (2005). Omsætning af organisk stof i afløbssystemet (Transformations of organic matter in sewer systems). *Spildevandsteknisk Tidsskrift*, no. 5, 2005, pp 5.