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Environmental Engineering & Science

RELEVANT PUBLICATIONS:

- Dietz, J.M. 2003. Abiotic Heterogeneous Ferrous Iron Oxidation In Mine Drainage: Modeling and Treatment Processes. A Thesis in Environmental Engineering Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy. Department of Civil & Environmental Engineering, The Pennsylvania State University, University Park, PA.
- Dietz, J. M. & B. A. Dempsey. 2002. A Deterministic Model for Predicting Alkalinity from Limestone for Design of AMD Passive Treatment Systems. Paper presented at the 19th Annual American Society of Mine Reclamation, Lexington, KY, June 9-12, 2002.
- Dietz, J. M. & B. A. Dempsey. 2002. Innovative Treatment Of Alkaline Mine Drainage Using Recirculated Iron Oxides In A Complete Mix Reactor. Paper presented at the 19th Annual American Society of Mine Reclamation, Lexington, KY, June 9-12, 2002.
- Dempsey, B. A., J.M. Dietz, B-H. Jeon, H.C. Roscoe & R. Ames. 2002. Heterogeneous Oxidation of Ferrous Iron for Treatment of Mine Drainage. Paper presented at the 19th Annual American Society of Mine Reclamation, Lexington, KY, June 9-12, 2002.
- Rose, A.W. & J. M. Dietz. 2002. Case Studies Of Passive Treatment Systems: Vertical Flow Systems. Paper presented at the 19th Annual American Society of Mine Reclamation, Lexington, KY, June 9-12, 2002.
- J. M. Dietz and B. A. Dempsey. 2001. Treatment of mine drainage using recirculated iron oxides in a complete mix reactor. Presented at 2001 National Association of Abandoned Mine Lands Annual Conference, August 19-22, 2001, Athens, Ohio.
- Dietz, J.M. and D.M. Stidinger. 1996. Acidic mine drainage abatement in an anaerobic sub-surface flow environment - Case history of the treatment system at Corsica, PA. pp. 531-540 In The 1996 American Society of Surface Mining and Reclamation Proceedings, Knoxville, TN, May 15-20, 1996.
- Dietz, J.M., R.G. Watts, and D.M. Stidinger. 1994. Evaluation of acidic mine drainage treatment in constructed wetland systems, p.#70-79. In Proceedings of the 1994 International Land Reclamation and Mine Drainage Conference, Pittsburgh, PA, U.S. Bureau of Mines SP GA-94.
- Dietz, J.M. and R.F. Unz. 1988. Effects of a sphagnum peat on the quality of a synthetic acidic mine drainage, p.#310-316. In The 1988 Mine Drainage and Surface Mining and Reclamation Conference, Pittsburgh, PA, U.S. Bureau of Mines, IC-9183.
- Unz, R.F. and J.M. Dietz. 1986. Biological applications in the treatment of acidic mine drainage. Biotechnology and Bioengineering Symposium, No. 16.