Jim McKinley Ph.D., P.Eng.
Senior Hydrogeologist

Lupin and Ulu Mine Closures, Mandalay Resources (Senior Hydrogeologist)
Developed the acid rock drainage, hydrocarbon remediation, water quality, and wastewater treatment components of the mine closure plans at both sites. Work included drafting of the plans and SIR responses, field execution planning, and design and execution of field confirmation studies. Designed and constructed landfarm facilities to treat hydrocarbon-impacted soil.

PUBLICATIONS

Thomson, J.A.M. and J.W. McKinley. MTBE Occurrence in Surface and Groundwater. Contaminated Soil, Sediment, and Groundwater - Oxygenated Fuels Issue – July/August. , 2002.

Thomson, J.A.M., J.W. McKinley, R.C. Harris, A.J. Hart, P. Hicks, D.K. Ramsden, and B.H. Wilson. MTBE Occurrence in Surface and Ground Water. In MTBE Remediation Handbook, Amherst Scientific Publishers, Amherst, MA. , 2003.

Tomaras, J.M.B., J.R. Spear, J.W. McKinley, and R.L. Siegrist. The Microbial Characteristics of the Wastewater-Induced Soil Biozone. In Proceedings NOWRA 15th Annual Technical Education Conference and Exposition. Denver, CO. , 2006.

McKinley, J.W. and R.L. Siegrist. The Occurrence of Humic Substances and Polysaccharides in Soil Treatment Units used for Wastewater Reclamation. In Proceedings ASABE 11th Individual and Small Community Sewage Systems Conference. Warwick, RI. , 2007.

McKinley, J.W. and R.L. Siegrist. Accumulation of Organic Matter Components in Soil under Conditions Imposed by Wastewater Infiltration. Soil Science Society of America Journal, 2010, pp. 74:5.

McKinley, J.W. and R.L. Siegrist. Soil Clogging Genesis in Soil Treatment Units used for Onsite Wastewater Reclamation: A Review. Critical Reviews in Environmental Science and Technology, 2011, pp. 41:24.

McKinley, J.W., R.E. Parzen, and A.M. Guzman. Impact of Climate and Bulking Materials on Characteristics of Compost from Ecological Toilets. Journal of Water, Sanitation and Hygiene for Development, 2012, pp. 2:2.

McKinley, J.W., R.E. Parzen, and A.M. Guzman.. Ammonia Inactivation of Ascaris Ova in Ecological Compost using Urine and Ash. Applied and Environmental Microbiology, 2012, pp. 78:15.