MACHINE GUIDANCE – BRINGING COMPLEX DESIGNS TO THE FIELD¹

Rod Eckels² and Nicholas Bugosh

<u>Abstract.</u> Machine Guidance systems have been widely used through out the Mining Industry since 2000 for a range of tasks. One of the most interesting applications is to enable operators to create complex reclamation designs in the field – a task that was never possible before the days of machine guidance. This paper overviews the operation of machine guidance systems and the features that theses systems offer to enable and assist reclamation tasks. The paper will also describe how mines are using this revolutionary technology to create highly sophisticated reclamation models in the field.

¹ Paper was presented at the 2006 Billings Land Reclamation Symposium, June 4-8, 2006, Billings MT and jointly published by BLRS and ASMR, R.I. Barnhisel (ed.) 3134 Montavesta Rd., Lexington, KY 40502.

²Rod Eckels, formely of Leica Geosystems, Inc., 5051 Peachtree Corners Circle, Suite 250, Norcross, GA 30092; Nicholas Bugosh, Technical Sales & Regrade Specialist, Carlson Software, 7003 Avondale Road, Fort Collins, CO 80525.