

Project: Kennecott Rawhide Mining Company – Mine Closure
Client: Rio Tinto – Kennecott Minerals
Location: Mineral County, Nevada
Duration: 2006 – Present
Regulatory Authority: Nevada Division of Environmental Protection



Project Description: Applied Soil Water Technologies, LLC provides mine closure services for the Kennecott Rawhide Mine. These services include design of an alternate earthen final cover for the heap leach pad, designing management and disposal methods for approximately 400,000,000 gallons of process solution and reclaiming the waste rock dumps and other mine facilities. The management and disposal of the mine process solution included the design of a large scale evaporation system within the contained leach pad for short term solution management and the design of evapo-transpiration (ET) basins constructed within the existing HDPE lined process ponds for long term solution management. This project also involved the extensive evaluation of other solution management and disposal alternatives. These alternatives include utilizing a large area shallow evaporation basin in a playa dry lake bed located within close proximity to the mining facility. Work for this project has been performed in coordination with the Nevada Division of Environmental Protection and the Bureau of Land Management.

