

THE USE OF BENTOFIX IN A TAILINGS DAM

Year of construction: 2015

Location: El Lemon Mine / Nicaragua / B2Gold

Product Installed: Bentofix SRNWL / 150,000 sqm

Lining System: Textured HDPE over a Scrim-Reinforced Geosynthetic Clay Liner.



Double lined systems (HDPE over GCL) have for years shown how effective they are in the landfill industry. Compared with other geomembranes, HDPE has the highest theoretical unexposed service life at >100 years. In the case of exposed liners, HDPE exposed to 10 years of UV radiation showed no significant change in physical properties. This high service life potential makes HDPE a powerful tool for environmental sustainability efforts. A GCL below an HDPE geomembrane provides an added cushion safeguard to provide engineers and designers the best known lining system. The combined material cost and deployment of an HDPE/GCL liner system are significantly less than other single-lined membranes exposed on their own.

HDPE/GCL – proven by years of research and projects to be the best engineered lining system.