

Case Study

Multiple Accounts Analysis for Geosynthetic Cover Systems

Metallurgical Coal, Elk Valley

> Background

Okane facilitated a Multiple Accounts Analysis (MAA) to support the selection of a reclamation site as a showcase for a full-scale trial of a novel geosynthetic cover system.

> Approach

Okane's MAA evaluated a total of six sites to determine their suitability for the construction of the trial geosynthetic cover system. Various factors were evaluated including constructability, monitoring, surface water management, re-sloping requirements, water quality, hydrology, geochemistry, and habitat. The MAA was critical to selection of the optimum trial location to showcase the chosen reclamation design through an unbiased process.

> Client Benefit

The results of the MAA demonstrated that four of the six sites were very closely scored. Knowing that all four sites were suitable options, Okane's client was able to proceed with the site that best met their budget and regulatory compliance goals. Okane continues to support the geosynthetic cover system design at this site.

“A systematic and unbiased approach to evaluating cover system options that achieve reclamation objectives.”

