

GCL/COMPACTED CLAY LINER COST COMPARISON

An interactive spreadsheet was developed to demonstrate the costs of a hydraulic barrier system containing a geosynthetic clay liner (GCL) vs. that of a system containing a compacted clay liner (CCL). The user enters project-specific data in the highlighted yellow cells located on the data sheet tab of the spreadsheet. Data is entered into the following three categories:

- CCL Project Data
- GCL Project Data
- Landfill Maintenance Data (if applicable)

After project data is entered, estimated costs for a GCL and a CCL project are automatically calculated. Associated tables and graphs display the cost comparison data of the two project options. Using the spreadsheet as a design tool, engineers can effectively compare a GCL to a CCL on a project-specific basis. With this information, clients can be informed about the advantages of using a GCL, instead of a CCL for specific hydraulic barrier applications.

A note about costs

Pricing information for specific CETCO products such as Bentomat and Claymax, is based on typical costs. This spreadsheet is not a quotation and users are cautioned always to seek a qualified quotation in order to ensure that GCL cost quotations are accurate. Pricing information for CCL options are based on typical values provided to CETCO over several years or observation, inquiry, and experience. The user is encouraged to obtain project-specific cost data which can be entered into this model.

This model provides a fairly comprehensive framework for evaluating GCL and CCL. Although the default unit costs may not be perfectly accurate for a specific project, it is hoped that the methods used in this procedure are accurate and that a valid cost comparison will result when project-specific data is entered.