

# EASY ROLLER™ deployment system puts installation back on schedule

The increased use of coal to generate electricity has brought with it an increased amount of coal combustion by-products (CCBs). Metal ions released from these CCBs can be harmful to the environment and therefore need to be contained.



### PROJECT DETAILS

Coal Ash Disposal – Midwest Utility

### LOCATION

Central Illinois

### PRODUCTS USED

BENTOMAT® SDN

EASY ROLLER™ Deployment System

The increased use of coal to generate electricity has brought with it an increased amount of coal combustion by-products (CCBs). Metal ions released from these CCBs can be harmful to the environment and therefore need to be contained.

### CHALLENGE:

A pond and landfill used to store CCBs in Central Illinois needed to be suitably lined. Due to the high inorganic and heavy metals in the waste, both the pond and landfill would require low-permeability liner systems to eliminate release into the environment. The engineers needed to design a system that would perform to their specifications on a 3:1 slope for the sides of the landfill. In addition, poor weather delayed the project's startup, compressing the overall construction schedule. These challenges resulted in concerns that the new facilities would not be completed in time and would not be permitted to accept waste.

## EASY ROLLER™ deployment system puts installation back on schedule

### **SOLUTION:**

Approximately 2.5 million square feet of BENTOMAT® SDN was installed in the site's gypsum management facility and CCB landfill. A high density polyethylene (HDPE) geomembrane was installed over the GCL to create a state-of-the-art composite liner system. Given the time constraints, the EASY ROLLER™ GCL deployment system was used to speed installation.

### **RESULT:**

Thanks to the EASY ROLLER™ Deployment System, installation of the liner was much less labor intensive. This increased productivity and allowed more manpower to be allocated to the geomembrane installation. The project was completed early and the owner's expectations were exceeded.

North America: 847.851.1800 | 800.527.9948 | [www.cetco.com](http://www.cetco.com)

UPDATED: SEPTEMBER 2017

© 2017 Minerals Technologies Inc. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit [www.cetco.com](http://www.cetco.com). CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.

