



## PROJECT PROFILE

### KENTUCKY POWER PLANT

Fabric-formed Concrete System

OWNER	Utility Company
SIZE	7 Acres various Impoundments
LOCATION	Kentucky
DESIGN	Liner System Installation GCL 12 oz Geotextile 40 Mil LLDPE Textured Geomembrane Fabric-formed concrete system



## CONSTRAINTS

Condensed Construction  
Schedule

Local and National  
Regulations

Stringent Safety  
Concerns

## BACKGROUND

A coal-fired power plant owned and operated by a regional utility company located in Kentucky required the construction of a new impoundment and improvements to multiple existing impoundments to handle the residual cooling and run-off water. A multi-layer geosynthetic liner system was needed to bring the power plant in compliance with new federal regulations.

## SOLUTION

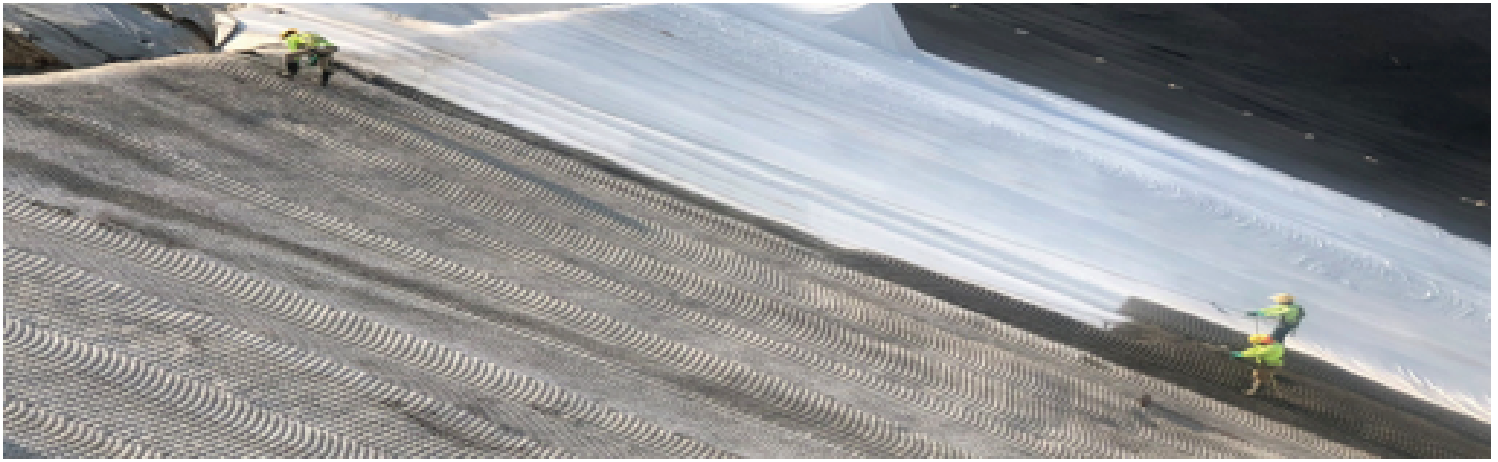
Hallaton Environmental Linings was contracted to provide and install a multi-layer geosynthetic liner system. The owner was required to install a geosynthetic liner system consisting of a GCL installed on a prepared subbase, 40 Mil LLDPE textured geomembrane liner, 12 oz non-woven geotextile and a 6" fabric formed concrete system filled with highly fluid concrete mix. The final layer of the installed system was a fabric formed concrete layer. Hallaton's crew installed on average 120 cubic yards of the highly fluid concrete mix on a daily basis. The completed system will provide added protections to the environment and allows the owner to maintain the upgraded impoundments in a more efficient and cost-effective manner.

For more information visit the Hallaton Environmental Linings website at [www.hallaton.com](http://www.hallaton.com).



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