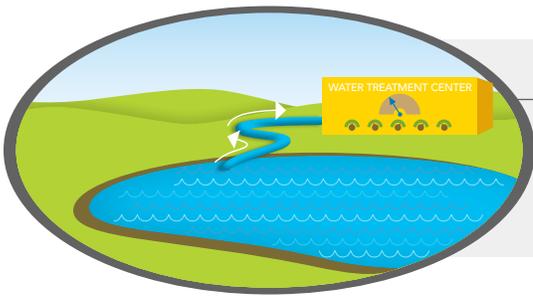


# Closing ash ponds safely and permanently

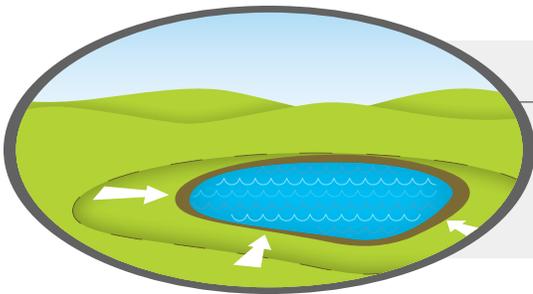
Numerous advanced engineering technologies go above and beyond closing in place.

## THE CLOSURE PROCESS



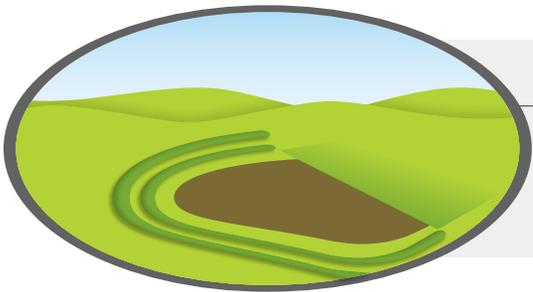
### Remove water

Advanced treatment ensures the water meets environmental standards before being removed.



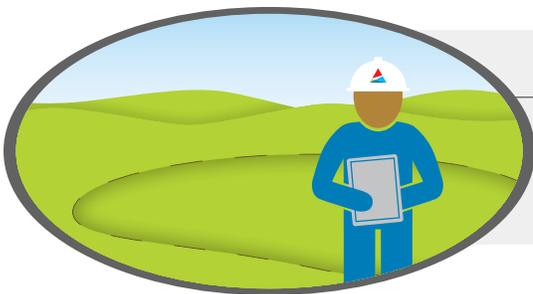
### Excavate and reduce

Material is carefully excavated and moved farther away from rivers and waterways, creating protective buffers while reducing the size of each pond.



### Additional protection

Using advanced engineering, additional protections, such as redundant dike systems and other structures, are being constructed for increased, robust flood protection.



### Permanent closure and ongoing monitoring

Finally, a specially engineered barrier is constructed over the material to keep it safely in place. Ongoing monitoring ensures water quality around the closed site is protected.

# Plant Greene County

Closing ash ponds safely and permanently

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- ▶ The company is **treating and removing all water** from the pond.
- ▶ Material will be excavated and moved farther away from waterways, which creates a **buffer up to 400 yards** from the river – a distance as long as four football fields.
- ▶ The facility's size will be reduced **by approximately 268 acres, or more than half its original footprint.**
- ▶ Alabama Power is applying advanced engineering technologies to construct a **2.5-mile subsurface wall around the closed pond** to provide additional structural integrity and water quality protection. The **wall will extend 30 feet below ground** around the entire closed facility and tie into a natural chalk layer to effectively seal the material in place.
- ▶ The company is installing a **specially engineered barrier** over the material to keep it safely in place.
- ▶ **Storm water systems** will be added to manage rainwater runoff.
- ▶ Alabama Power will **monitor groundwater** around the facility for at least 30 years to ensure ongoing protection of water quality.