

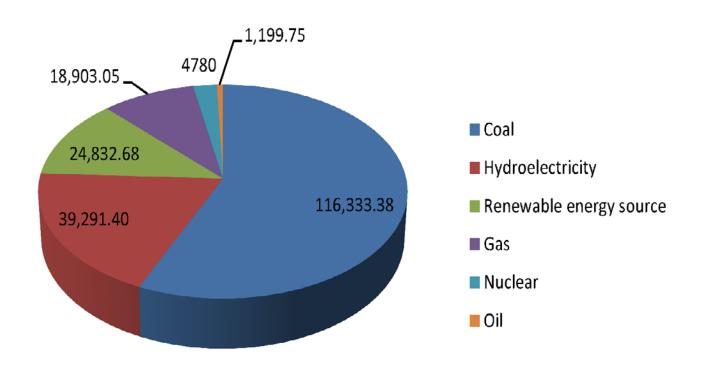
A Case Study of Coal Ash Management in North Carolina

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Power Generating Sources

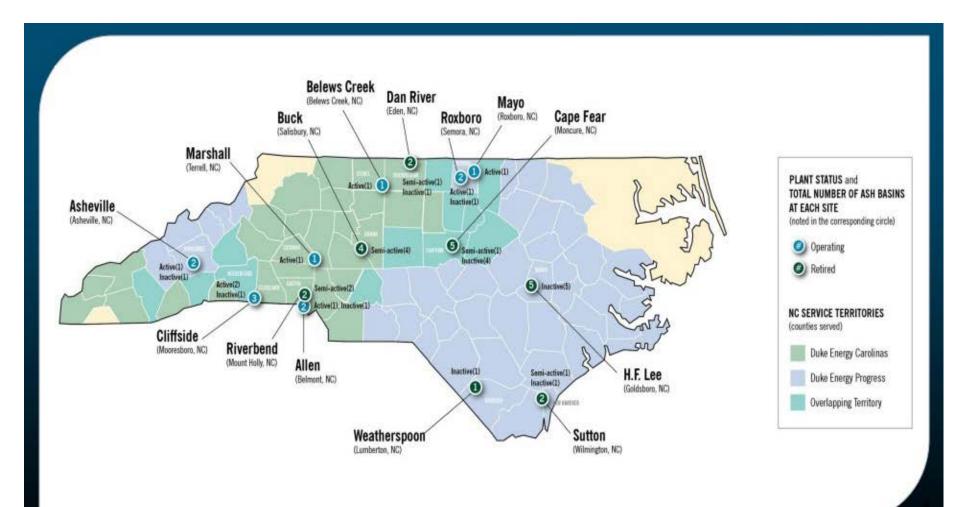


The Impact of the Tennessee Coal Ash Spill



In December, 2008, an estimated 5.4 million cubic yards of coal ash was released to the Emory and Clinch Rivers and the adjacent River banks.

Coal Ash Ponds in NC





North Carolina Coal Ash Risk

- Number of Coals Ash Ponds 37 at 14 sites
- High Hazard Sites 29
- Significant Hazard Sites- 2
- Documented Cases of Spills All 14

The State of North Carolina Coal Ash Spills

- Pond Ratings: 29 ponds in NC have been rated "high hazard", and 2 have been rated "intermediate hazard."
- A high hazard rating means that pond failure will probably cause a loss of human life in addition to economic loss, environmental damage and damage to infrastructure
- An intermediate hazard rating indicates that a failure at the pond can cause economic loss, environmental damage, or damage to infrastructure.



Objectives

 Perception and knowledge of people living around the coal ash pond in NC

Study Focus

- Health impacts:
 - » Fly ash
 - » Water contamination
- Impact on aquatic life:
 - » Aquatic life destroyed and impacted by spill
- Impact on recreational activities
 - » Fishing as recreational activities
 - » Kayaking
 - » Swimming in river



Data

- Survey of respondents in the NC area
 - » Knowledge of coal ash spill
 - » Impact of coal ash spill