

# Resource Materials Testing, Inc.

*"Specialists in Fly Ash Testing"*

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## REPORT OF STABILIZER ANALYSIS

TO: Ash Grove Resources, LLC  
Attn: Mr. Brady Pryor  
5375 SW 7<sup>th</sup> Street, Suite 400  
Topeka, KS 66606-2552

PROJECT NO. RMT-467  
SAMPLE NO. 18112  
DATE REC.: 05-20-11  
DATE REP.: 07-08-11

PROJECT NAME: Quality Assurance Program  
SAMPLE ID: AES Shady Point 2B Ash Silo 5/18/11

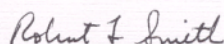
### CHEMICAL ANALYSIS, ignited basis, wt%:

### RESULTS:

Silicon Dioxide, SiO <sub>2</sub>	41.24
Aluminum Oxide, Al <sub>2</sub> O <sub>3</sub>	19.94
Iron Oxide, Fe <sub>2</sub> O <sub>3</sub>	6.50
Sum of SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> & Fe <sub>2</sub> O <sub>3</sub>	67.68
Calcium Oxide, CaO	20.71
Magnesium Oxide, MgO	2.68
Sodium Oxide, Na <sub>2</sub> O	0.53
Potassium Oxide, K <sub>2</sub> O	1.71
Sulfur Trioxide, SO <sub>3</sub>	4.67
Moisture Content	0.41
Loss on Ignition	7.89
Available Lime Index, %CaO	10.50

### PHYSICAL TESTING:

Amount Retained on A No. 325 Sieve, %	54.5
C 109 Cubes w/o cement, psi	
3-day	100
7-day	262
28-day	687
Water Requirement, ml	364
Density	2.94

By   
Robert L. Smith, Ph.D.