



Resource Materials Testing, Inc.

"Specialists in Fly Ash Testing"

24 Fine Drive Murphy, NC 28906 828.506.7636

REPORT OF STABILIZER ANALYSIS

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

PROJECT NO. RMT-467
SAMPLE NO. 17200
DATE REC.: 09-15-09
DATE REP.: 01-05-10

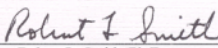
PROJECT NAME: Fluidized Bed Ash Quality Assurance Program
SAMPLE ID: AES Shady Point Fluidized Bed Ash

CHEMICAL ANALYSIS, ignited basis, wt%: RESULTS:

Silicon Dioxide, SiO ₂	39.28
Aluminum Oxide, Al ₂ O ₃	18.07
Iron Oxide, Fe ₂ O ₃	8.42
Sum of SiO ₂ , Al ₂ O ₃ & Fe ₂ O ₃	55.77
Calcium Oxide, CaO	20.38
Magnesium Oxide, MgO	2.34
Sodium Oxide, Na ₂ O	1.45
Potassium Oxide, K ₂ O	1.62
Sulfur Trioxide, SO ₃	9.51
Moisture Content	0.21
Loss on Ignition	12.78
Available Lime Index, %CaO	6.50

PHYSICAL TESTING:

Amount Retained on A No. 325 Sieve,%	46.2
C 109 Cubes w/o cement, psi	
3-day	125
7-day	562
28-day	625
Water Requirement, ml	406
Density	3.21

By 
Robert L. Smith, Ph.D.