

Analytical Testing Service Laboratories, Inc.
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Headwaters Resources
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July 06, 2011

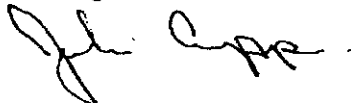
Attn: Kristy Rotramel

Re: 40676 Louisa Fly Ash Sample Monthly Composite May 2011

	ASTM C-618 Class C Requirements	Actual
Fineness (+325 Mesh)	34% Max	13.90%
Moisture Content	3% Max	0.12%
Specific Gravity	****	2.63
Loss on Ignition	6% Max	0.21%
Soundness	0.8% Max	0.01%
S.A.I., 7 Days	75% Min	101.70%
S.A.I., 28 Days	75% Min	106.30%
Water Req. % Control	105% Max	94.20%
Silica SiO ₂	****	35.56%
Aluminum Oxide Al ₂ O ₃	****	22.34%
Ferric Oxide Fe ₂ O ₃	****	5.86%
Total	50% Min	63.76%
Sulfur Trioxide SO ₃	5% Max	1.67%
Calcium Oxide CaO	****	25.74%
Magnesium Oxide MgO	****	4.89%
Available Alkalies as Na ₂ O	****	1.29%

We certify the above was tested in accordance with ASTM C-618.

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John K. Cupp, Manager