

# Analytical Testing Service Laboratories, Inc.

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August 8, 2011

Attn: Brady E. Pryor

Re: 40873 - Jeffrey Fly Ash Sample 2000 Ton Composite Unit 1 - 6/10-20/2011

	ASTM C-618 Class "C" <u>Requirements</u>	<u>Actual</u>
Fineness (+325 Mesh)	34% Max	13.60%
Fineness Variation	5% Max	0.30%
Moisture Content	3% Max	0.07%
Specific Gravity	****	2.78
Specific Gravity Variation	5% Max	0.00%
Loss on Ignition	6% Max	0.17%
Soundness	0.8% Max	0.08%
S.A.I., 7 Days	75% Min	100.20%
S.A.I., 28 Days	75% Min	103.80%
Water Req. % Control	105% Max	93.40%
Silica SiO <sub>2</sub>	****	28.18%
Aluminum Oxide Al <sub>2</sub> O <sub>3</sub>	****	21.02%
Ferric Oxide Fe <sub>2</sub> O <sub>3</sub>	****	5.58%
Total	50% Min	54.78%
Sulfur Trioxide SO <sub>3</sub>	5% Max	2.72%
Calcium Oxide CaO	****	29.89%
Magnesium Oxide MgO	****	7.79%

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

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John K. Cupp, Manager