

LABORATORY REPORT

Customer: Pioneer Aggregates, Inc.
215 East Saylor Avenue
Laflin, PA 18702

Report Date: 9/10/2015

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Material Tested:	Solid Fuel	HawkMtn WO #:	1508-00792-002
Date Sampled:	08/17/2015	Sampler:	Client
Date Received:	08/17/2015	Sample Point ID:	Bottom Vein
Client Sample ID:	Bottom Vein White Bucket		

Gross Weight as Received = 2.54 kg Air Dry Loss (ASTM D 2013) = 2.96 %

Test	Method	As Received	As Determined	Dry
% Moisture	ASTM D7582-15	4.75	1.84	
% Ash	ASTM D7582-15	10.04	10.35	10.54
BTU/lb	ASTM D5865-13	12735	13123	13368
% Sulfur	ASTM D4239-14	0.52	0.54	0.55
% Volatile Matter	ASTM D3175-11	5.09	5.25	5.35
% Fixed Carbon	ASTM D3172-13	80.12	82.56	84.11

BTU Moisture Ash Free Basis 14943 BTU/lb, (daf)

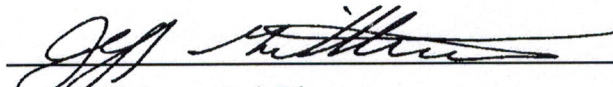
Ash Fusion Reducing Atmosphere (ASTM D1857)

Initial Deformation	+2800F*
Softening Temperature	+2800F*
Hemispherical Temp.	+2800F*
Fluid Temperature	+2800F*

Samples reinstated for additional testing on 8/25/15 at client's request.

These results relate only to the sample noted above.

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Jeff Gittleman, Lab Director

