Coal Specifications USA: High Sulphur

PROXIMATE ANALYSIS		As-Received	Dry Basis
% Moisture	D3302	12.92	******
% Ash	D3174	8.86	10.17
% Volatile	D3175	37.50	43.06
% Fixed Carbon	D3172	40.73	46.77
BTU	D5865	11151	12805
MAF BTU	D3180	14255	
% Total Sulfur	D4239	2.91	3.34
SULFUR FORMS			
% Pyritic	D2492	0.96	1.10
% Sulfate	D2492	0.02	0.02
% Organic	D2492	1.93	2.22
% Total Sulfur	D4239	2.91	3.34
WATER SOLUBLE			
% Na2O	ASME1974	0.057	0.065
% K20	ASME1974	0.003	0.004
% Chlorine	ASME1974	******	******
Alkalies as Na2O	ASME1974	0.18	0.21

FUSION TEMP. OF ASH D1857	Reducing	Oxidizing
I.D.	1968	2295
H=W	2085	2435
H=1/2W	2223	2454
FLUID	2281	2587

GRINDABILITY INDEX D409 53 @ 3.77 % Moist.

FREE SWELLING INDEX D720 2.0

Apparent Specific Gravity of Coal ModIC7113 ******

% Equilibrium Moisture D1412 9.64

Weight %

ULTIMATE ANALYSIS		As-Received	Dry Basis
% Moisture	D3302	12.92	******
% Carbon	D5373	61.77	70.94
% Hydrogen	D5373	4.28	4.91
% Nitrogen	D5373	1.22	1.40
% Chlorine	D6721	0.08	0.09
% Sulfur	D4239	2.91	3.34
% Ash	D3174	8.86	10.17
% Oxygen (Diff.)	D3176	7.96	9.15

(Chlorine D6721 Dry Basis ug/g 922)

MINERAL ANALYSIS D6349		% Ignited Basis
Phos. Pentoxide, P2O5		0.09
Silica, SiO2		51.59
Ferric Oxide, Fe2O3		17.04
Alumina, Al2O3		17.99
Titania, TiO2		0.89
Lime, CaO		4.11
Magnesia, MgO		0.84
Sulfur Trioxide, SO3		2.99
Potassium Oxide, K2O		1.82
Sodium Oxide, Na2O		0.83
Barium Oxide, BaO		0.03
Strontium Oxide, SrO		0.02
Manganese Dioxide, MnO2		0.05
Undetermined		1.71
Type of Ash	ASME1974	Bituminous
Silica Value	ASME1974	70.11
T250 Deg	BW	2478
Base/Acid Ratio	ASME1974	0.35
lb Ash/mm BTU		7.94
lb SO2/mm BTU		5.21
Fouling Index	ASME1974	0.29
Slagging Index	ASME1974	1.17

(Mercury D6722 Dry Basis ug/g 0.067)