

## COAL ANALYSES

Company : Pitt #8

Mine : Pitt #8

Sample Date : x

Report Date :

### PROXIMATE

	<u>As Received</u>	<u>Dry</u>
Moisture	6.25	xxxxxx
Ash	8.30	8.85
Volatile	0.00	0.00
Fixed Carbon	<u>0.00</u>	<u>0.00</u>
	14.55	8.85
Sulfur	2.50	2.67
BTU/lb	13000	13867

### ULTIMATE

Carbon	76.00	81.07
Hydrogen	5.05	5.39
Nitrogen	1.47	1.57
Chlorine	0.09	0.10
Oxygen (diff)	<u>0.34</u>	<u>0.36</u>
	100.00	100.00

### FORMS OF SULFUR

Pyritic	1.03	1.10
Sulfate	0.01	0.01
Organic (Diff)	1.27	1.35
	2.46	2.46

### FUSION TEMPERATURES

	<u>Reducing</u>	<u>Oxidizing</u>
Initial Def.	2200	2425
Soft (H=W)	2325	2525
Soft (H=1/2W)	2390	2600
Fluid	2510	2700+

### MINERAL ANALYSIS OF ASH

	<u>Ignited</u>
SiO2	47.00
Al2O3	23.10
TiO2	1.07
Fe2O3	18.26
CaO	3.98
MgO	0.00
K2O	1.39
Na2O	0.63
S03	3.19
P2O5	0.32
Undetermined	1.06
Base/Acid	0.34
Fouling Index	0.21
Slagging Index	0.91

**HARD. GRIND. INDEX** 55

**FREE SWELL. INDEX** 0

**EQUILIBRIUM MOIST** 1.8