



Coal Combustion, Inc.
Understanding the business of coal

COAL XL Model

Sample calculations

	AS REC'D	DRY					
	-----	----					
BTU/# =	12090	13000	SILICA =	45.00	IT RED =	0	B/A RATIO = 0.51
VOLATILE =	35.34	38.00	ALUMINA =	18.00	ST RED =	0	SLAG INDEX = 1.52
FIX CARBON =	51.15	55.00	TITANIUM =	1.00	HT RED =	0	FOUL INDEX = 0.25
MOISTURE =	7.00	0.00	IRON =	27.00	FT RED =	0	SILICA % = 60.00
ASH =	6.51	7.00	CALCIUM =	2.00	IT OXD =	0	Fe:Ca = 13.50
SULFUR =	2.79	3.00	MAGNESIA =	1.00	ST OXD =	0	Fe:Ca+Mg = 9.00
CARBON =	70.68	76.00	POTASSIUM =	2.00	HT OXD =	0	DOLOMITE % = 9.23
HYDROGEN =	5.12	5.50	SODIUM =	0.50	FT OXD =	0	ALKALI-COAL = 0.12
NITROGEN =	1.67	1.80	SULFUR TRI =	2.00	LBS Fe ₂ O ₃ /MBtu=	1.454	
CHLORINE =	0.09	0.10	PHOS PENT =	0.10	LBS CaO/MBtu=	0.108	SLAGGING = MEDIUM
OXYGEN =	6.14	6.60	UNDETER =	1.40	LBS Na ₂ O/MBtu=	0.027	FOULING = MEDIUM
PROX SUM =	100.00	100.00	OXYGEN/NITROGEN =	3.7	HGI =	50	TYPE ASH = BITUMINOUS
ULTIM SUM =	100.00	100.00	ONTANEOUS COMBUSTION POTENTIAL =	MSHT	93	MEDIUM	