Coal Combustion, Inc.
Understanding the business of coal

COAL XL Model

Sample calculations

UNIT =	X
AH AIR IN =	100
AH AIR OUT =	500
GAS OUT =	300
% 02 =	2.7
% LOI =	5
% FLY ASH =	80
% FUDGE =	2.4

DULONG BTU =	13090
B-W T250 =	2319
W-F T250 =	2375
N-R T250 =	2298
N-R T500 =	2202
N-R T1000 =	2116
N-R T5000 =	1950
N-R T10000 =	1891
Tcv =	2276
FUSION FT-IT =	0
% QUARTZ(DRY) =	1.26
LBS QUARTZ/MBTU =	0.969

_UE GAS % BY VOLUME:			
% H2O =	9.13		
% CO2 =	14.41		
% SO2 =	0.21		
% N2 =	73.69		
% O2 =	2.55		
THEO AIR LB/10KBTU =	8.08		
TOT AIR LB/10KBTU =	9.28		
FLUE GAS LB/10KBTU =	10.05		
BOILER EFF =	88.4		
LOWER HEAT VALUE =	11613		

PULVERIZER DESIGN SPECS. F	
CAPACITY FACTOR OF 1:	
HGI =	50
% PASS 200 =	70 %
BTU/lb. =	10500
ACTUAL SPE(	
HGI =	50
% PASS 200 =	70 %
BTU/lb. =	12090
CAP. FACTOR =	1.13
LB MOIST/MBTU	5.8