



Integrated Gasification Combined Cycle
Best Available Control Technology Checklist*
September 22, 2008

General Requirements			
	Y	N	
1.			Is the availability and capacity factor consistent among all cases?
2.			Is the configuration necessary to attain the needed availability clearly defined and justified?
3.			Are costs adjusted consistently among all cases?
4.			Is the method of cost adjustment clearly defined?
5.			Are costs based upon the most recent and accurate information?
6.			Are the sources of cost information clearly documented?
7.			Is the basis for fuel selection documented?
8.			Is the net generating capacity the same in all cases?
9.			Is the mechanism for adjusting the net generating capacity documented?
10.			Is the basis of the heat rate of each combustions source documented?
11.			Are the allowable emission rates reflective of the most recently issued permits?
12.			Is the cost of capital the same for each combustion configuration?
13.			Are differences in the capital justified?
14.			Is the method of cost effectiveness defined?
15.			Is mercury control addressed in all cases?
16.			Are the pollution control devices clearly defined in all cases?
17.			Are allowable emissions clearly defined in all cases?
18.			Is a consistent amortization period used for all cases?
19.			Is the purchase cost of NO _x and SO ₂ allocations included?
20.			Is the cost basis for NO _x and SO ₂ allocations included
21.			Are all penalties assessed clearly documented and technically justified?
Definition of the base cases			
22.			Is there more than once IGCC configuration chosen?
23.			Is there more than one non-IGCC configuration chosen?
24.			Is the basis for each case explained?
Other Environmental Impacts			
25.			Is the treatment of all wastes included?
26.			Are waste treatment costs included and documented?
27.			Is the cost differential in cooling water addressed?
Economic Consideration			
28.			Is cost effectiveness (\$/ton) estimated for all criteria pollutants?
29.			Are annualized capital costs included?
30.			Is the basis for calculating annualized capital costs explained?
31.			Are the fixed operating and maintenance (O & M) costs included (non fuel costs)?
32.			Is the basis for calculating fixed O & M explained?
33.			Is the basis for cost of fuel explained?
34.			Are fixed O & M costs calculated and fully explained?
35.			Is the basis for a comparative cost effectiveness documented?

* Additional information may be requested on a case-by-case basis