

Interoffice Correspondence

Massachusetts Institute of Technology
Department of Chemical Engineering

Memorandum to: Team 3 – Group Members

From: Gregory J. McRae

Subject: Assignment of ICE Design Topic Spring 2006

Date: 27th February 2006

Dear Team 3 – Group Members:

One of the challenges in reducing emissions from electricity generation is separating the CO₂ from the flue gas. Another alternative is the use of Integrated Gasification Combined Cycle (IGCC) where the coal is gasified and then the H₂ and CO are used for producing power and potentially other products. Your task is to assess the IGCC concept with and without CO₂ capture. Your assignment for this next week is to develop a suitable option and develop a plan of attack.

You are not to discuss with your class mates either the technology you have been asked to evaluate or your findings as you progress with your designs. A separate handout describes the structure of the final report.