

Interoffice Correspondence

Massachusetts Institute of Technology
Department of Chemical Engineering

Memorandum to: Team 7 – Group Members

From: Gregory J. McRae

Subject: Assignment of ICE Design Topic Spring 2006

Date: 27th February 2006

Dear Team 7 – Group Members:

One of the challenges in reducing emissions from electricity generation is to remove the CO₂ from the flue gas. Most of the existing power plants in the US and for that matter around the world do not have any CO₂ capture technologies installed. While there are a lot of potential technologies for CO₂ removal there is relatively little discussions about CO₂ compression and liquefaction. Your task for this next week is to explore the issues associated with compression/liquefaction and develop a suitable options and 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.