Dear Team 2 – Group Members:

One of the challenges in reducing emissions from electricity generation is to remove the CO$_2$ from the flue gas. Most of the existing power plants in the US and for that matter around the world do not have any CO$_2$ capture technologies installed. One proposal is to use Integrated Gasification Combined Cycle (IGCC) as a way to reduce CO$_2$ emissions. IGCC also offers the potential to reduce other pollutants like NO$_x$, SO$_x$ and Hg. Much of the current debate is focused on CO$_2$ your assignment is to see if IGCC is a good way to control the other pollutants as well. You task 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.