

ENG3004 Society and the Engineer – Individual Worksheet

Group Number: _____ Date: _____ Dimension: Safety

Your Full Name: _____

Safety and Health

Engineers create a world that never was. Engineers _____, _____, _____, _____ / _____, _____ / _____ all the daily needs of our society; ranging from _____ to _____, _____ to water / _____ supplies, mobile phones to _____, etc.

There is thus no reason why we should not feel proud of ourselves. What we do is right at the heart of _____.

Engineers are duty-bound to protect the _____ and _____ of every single member of our team, certainly _____ included. There is no room to _____ on safety requirements.

When looking at the recent statistics, there are fewer accidents overall, but more _____.

“One industrial accident is always _____”.

We should remind ourselves to never compromise our _____ and _____ for whatever sake. As conscientious professionals, we should always make _____ our priority.

Gas Incident and Gas Safety

In 2006, leakage was found on a _____ (MP DI) pipe underneath a road in Ngau Tau Kok, Kowloon. A gas _____ occurred in a building, which is about 25m away from the point of leakage. The incident has caused _____ and nine injuries.

Since the 1990s, Hong Kong and China Gas Limited has gradually phased out laying of _____ and introduced new _____ pipes for underground distribution network to enhance gas safety. The PE pipes are free from ferrous corrosion problem, and be possess enhanced quality of pipe joint and better resistance to ground subsidence.



What is the lesson learned in the case – collapse of Shanghai Apartment Building? What are your suggestions to prevent this kind of disaster happen again?