

GE-2401 Ethics, Health & Safety

Assignment 2: Inherently Safer Design

Pick ONE industrial/engineering safety accident with the following criteria:

- It is not listed on www.cbs.gov (Links to an external site.)
- It resulted in casualties (at least a person killed)
- The time accident occurred on the first of January 2019 till today
- Each student should pick different accidents

Provide a brief investigation and report about the accident.

Submission: via Canvas, PDF format, deadline: 17th September 7 am.

It is an individual assignment and accounts for 15% of the final mark.

Report Structure:

- Title and Student details
- Summary
- Incident description
- Incident root-cause analysis
- Layer of protection failure
- Safety management system failure (9 elements of Enbridge's SMSF)
- Recommendation
- Resource and description of the content (make sure they are credible)

Items 1-4 should be maximum of 500 words excluding figures and illustration.

Marking Rubric

Parameter	Maximum marks
The accuracy and correctness of the details	10
The alignment of the analysis according to the studied concepts (risk analysis, layers of protection, safety management)	20
The validity and technical soundness of the recommendation	10
Reliability of the sources	5
Neatness, readability, logical, proper use of figures and/or illustration	5

