

ANALYSYS *(Investigation of immediate and fundamental (root) causes)*

Reconstruct the chronological order including the causes and effects of the accident:

Damage or Injury:

Fuel spill of 1100 liters at the Baker Lake tank Farm.



Fact(s): (Why?)

Overflow from compartment #2 from Tanker #96



Immediate Cause(s): (Why?)

#11 : Improper placement

Fuel arm hooked on compartment #2 (capacity of 5000 liters) instead of #1 (capacity of 15 000 liters)



Fundamental (Root) Causes(s): (Why?)

Lack of concentration, the operator made a mistake by attaching the fuel loading arm to the wrong fuel compartment. He presumed he had approximately 15 minutes of filling time (pump rate of approx. 1000liters/minutes) while in reality he had approx. 4-5minutes of filling process.