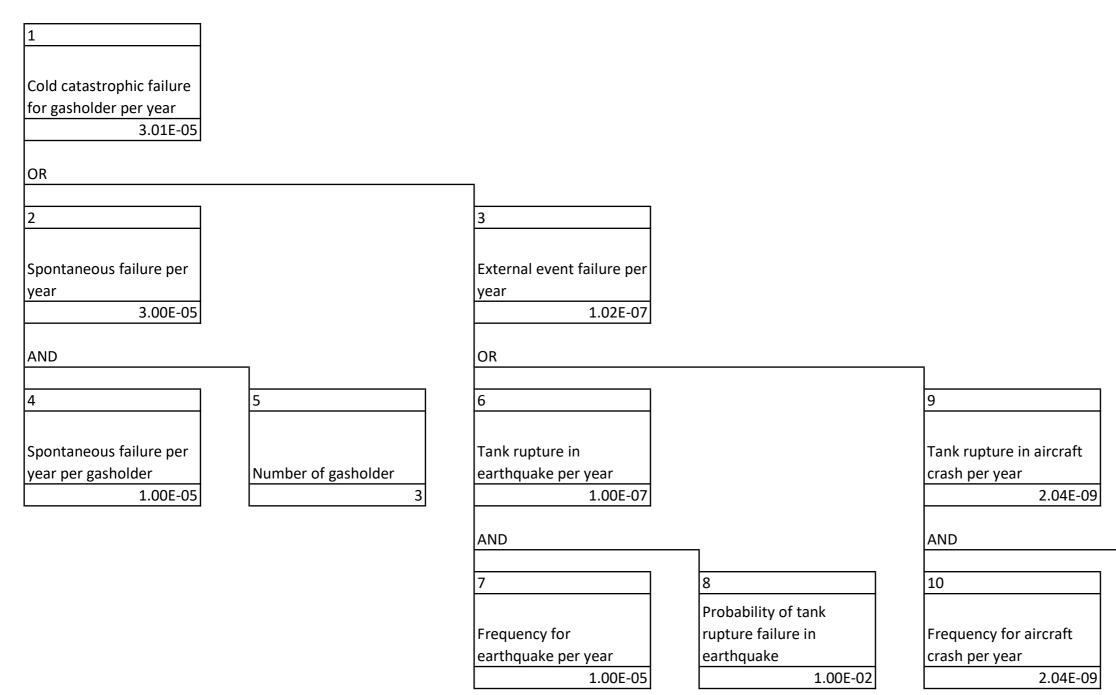
F01 Catastroph

Catastrophic Failure of Gasholder



11

Probability of tank rupture failure in aircraft crash

1.00E+00

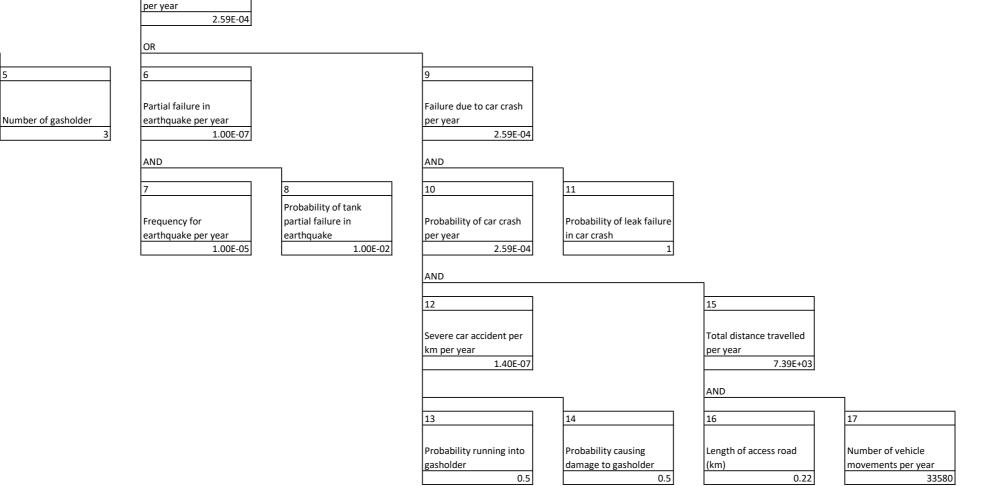
AND

Partial failure per year

1.00E-04

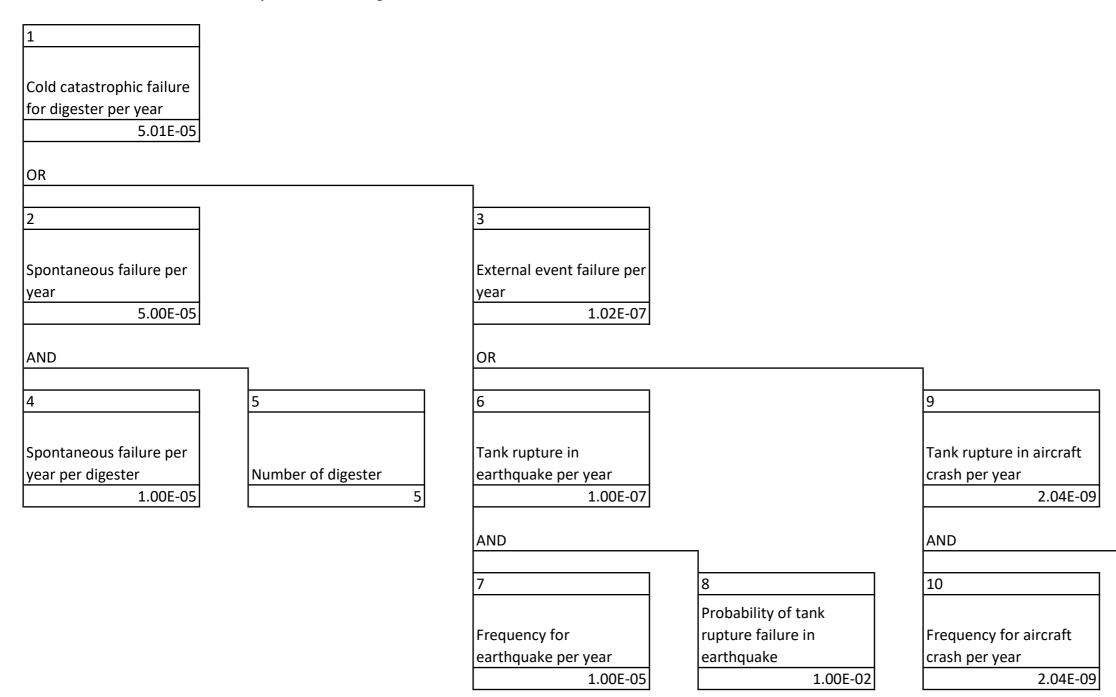
per gasholder

F02 Partial Failure of Gasholder Partial failure for gasholder per year 5.59E-04 OR External event failure Partial failure per year per year 3.00E-04



F03

Catastrophic Failure of Digesters



11

Probability of tank rupture failure in aircraft crash

1.00E+00

F04 Partial Failure of Digesters Partial failure for digester per year 7.59E-04 OR External event failure Partial failure per year per year 5.00E-04 2.59E-04 AND OR 9 Partial failure in Failure due to car crash Partial failure per year earthquake per year Number of digester per digester per year 1.00E-04 2.59E-04 1.00E-07 AND AND 10 11 Probability of digester partial failure in Probability of car crash Probability of leak failure Frequency for in car crash earthquake per year earthquake per year 1.00E-02 2.59E-04 1.00E-05 1 AND 12 15 Severe car accident per Total distance travelled per year km per year 1.40E-07 7.39E+03 AND 17 13 14 16

Probability causing

damage to digester

Probability running into

0.5

digester



Number of vehicle

movements per year

Length of access road

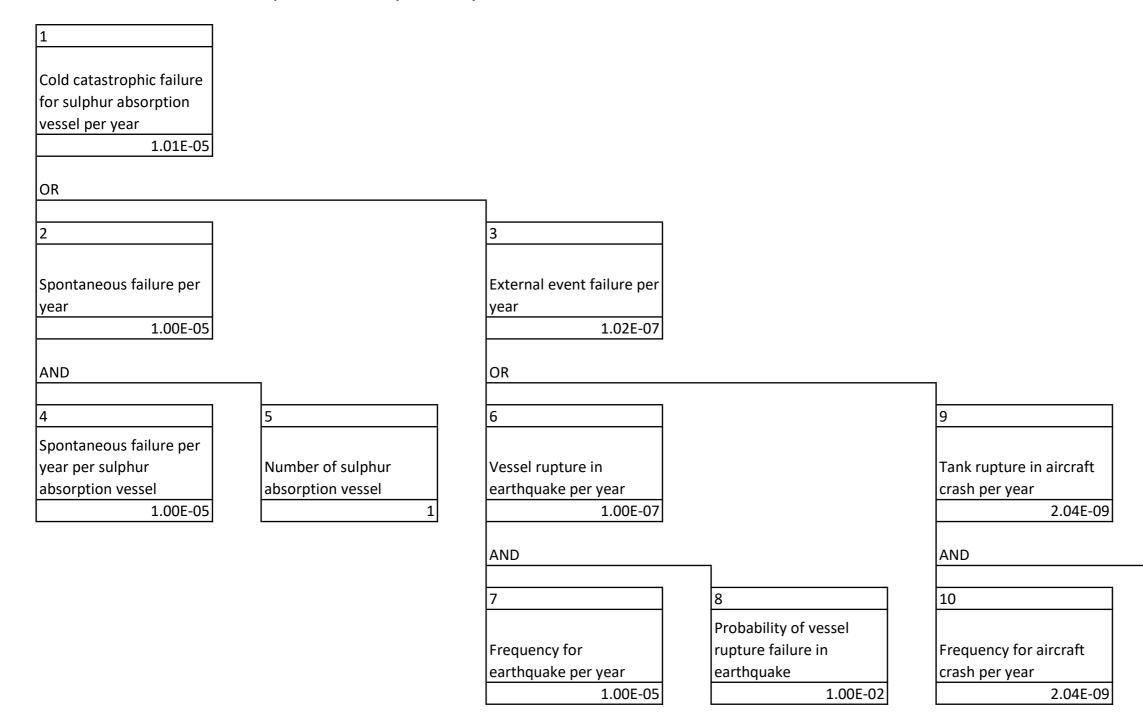
0.22

(km)

0.5

F05

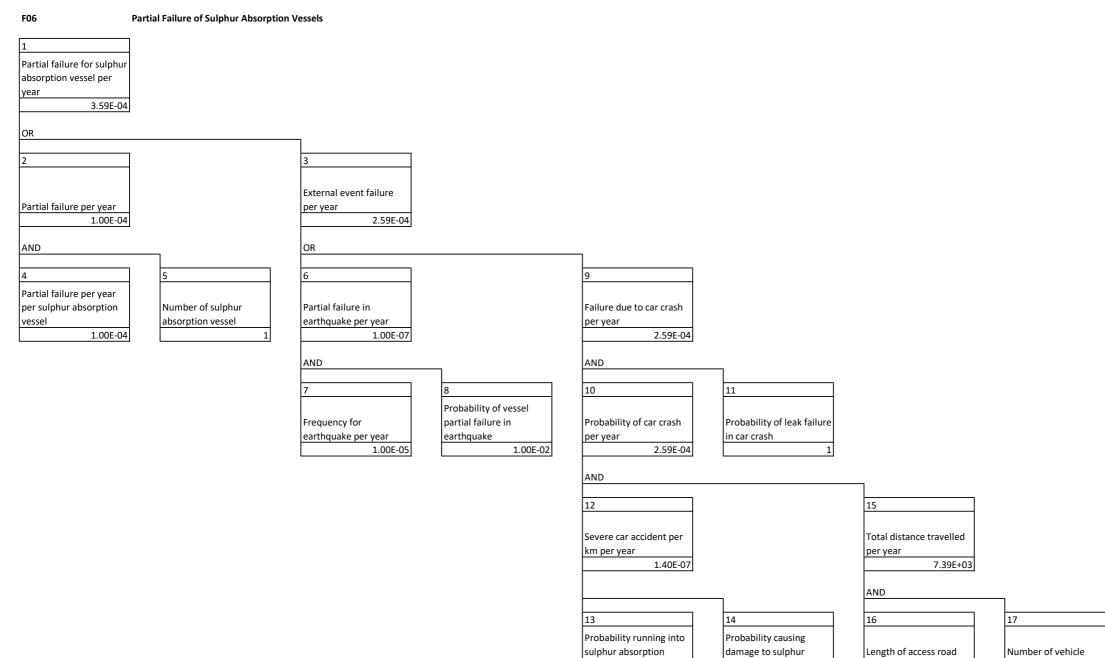
Catastrophic Failure of Sulphur Absorption Vessels



11

Probability of tank rupture failure in aircraft crash

1.00E+00



vessel

absorption vessel

0.5

(km)

0.5

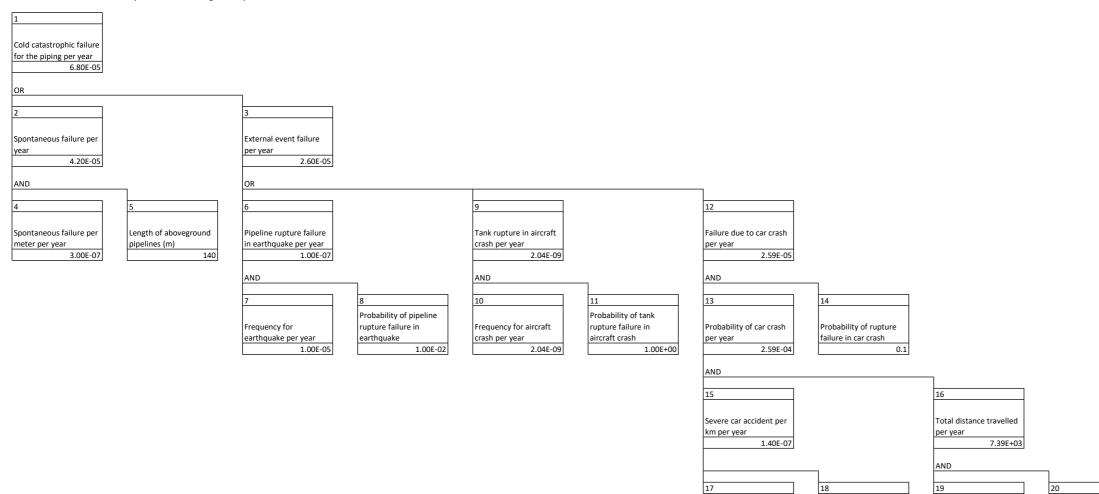
0.22



movements per year

Appendix 10.4 - Fault Tree Analysis

F07 Catastrophic Failure of Aboveground Pipelines



20 Number of vehicle movements per year 33580

Probability causing

pipelines

damage to aboveground

0.5

Length of access road

0.22

(km)

Probability running into

aboveground pipelines

0.5

F08 Partial Failure of Aboveground Pipelines

