Consequence Summary Report

Workspace: Fuite_ligne_propane

Study: Study

Summary Basis

These tables will only report global values set in the parameters. Values that are modified in the study tree will not be reported.

The report is context sensitive, and filters up to the study level. You willl need to generate multiple summary reports if you have multiple studies in your workspace.

Discharge Results (after atmospheric expansion)

Path	Scenario	Weather	Peak Flowrate [kg/s]	Temperature [degC]	Liquid mass fraction in material [fraction]	Droplet diameter [um]	Expanded diameter [m]	Velocity [m/s]	End time of release [s]
Study\Pressure vessel_DN50	Short pipe_10 %	Category 1.5/F	0,017446	16,3996	0	0	0,05	4,70565	3600
		Category 5/D	0,017446	16,3996	0	0	0,05	4,70565	3600
		Category 3/F	0,017446	16,3996	0	0	0,05	4,70565	3600

Dispersion Results

Input dispersion parameters

Core averaging time	18,75	s
Flammable averaging time	18,75	s
Toxic averaging time	600	s
Height of interest	**1,5**	m

Distance downwind to defined concentrations

The reported concentration of interest is defined at the scenario

Path	Scenario	Weather	Material	Material to track	Concentration of interest [ppm]	Averaging time selected
Study\Pressure vessel_DN50	Short pipe_10%	Category 1.5/F	**PROPANE**	PROPANE	20000	User-defined
		Category 5/D	**PROPANE**	PROPANE	20000	User-defined
		Category 3/F	**PROPANE**	PROPANE	20000	User-defined

Path	Scenario	Weather	Distance to UFL [m]	Distance to LFL [m]	Distance to LFL fraction [m]
Study\Pressure vessel_DN50	Short pipe_10%	Category 1.5/F	n/a	n/a	n/a
		Category 5/D	n/a	n/a	n/a
		Category 3/F	n/a	n/a	n/a

Jet Fire Results

Distance downwind to defined radiation levels

The reported radiations are defined in the parameters

Path	Scenario	Weather	Flame length [m]	Distance downwind to intensity level 1 (3 kW/m2) [m]	Distance downwind to intensity level 2 (5 kW/m2) [m]	Distance downwind to intensity level 3 (8 kW/m2) [m]
Study\Pressure vessel_DN50	Short pipe_10%	Category 1.5/F	4,6073	n/a	n/a	n/a
		Category 5/D	4,6073	n/a	n/a	n/a
		Category 3/F	4,6073	n/a	n/a	n/a

Flash Fire Results

Distance downwind to defined concentrations

The reported LFL and LFL fraction are defined in the respective material property

Path	Scenario	Weather
Study\Pressure vessel_DN50	Short pipe_10%	Category 1.5/F
		Category 5/D
		Category 3/F

Maximum distance to LFL fraction at any height

Path	Scenario	Weather	Max flash fire distance [m]	Height of the max flash fire distance [m]	Time [s]
Study\Pressure vessel_DN50	Short pipe_10%	Category 1.5/F	1,96854	0,778811	7,51486
		Category 5/D	1,85016	0,973332	1,91797
		Category 3/F	1,75025	0,944707	7,51464