

Consequence Summary Report

Workspace: Fuite_gaz_naturel

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 will 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 \\Aérien_DN80_5bar _horizontal	Short pipe- rupture_ 10%	Category 5/D	0,05327 41	17,537	0	0	0,08	15,7284	3600
		Category 3/F	0,05327 41	17,537	0	0	0,08	15,7284	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	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	Distance downwind to concentration of interest [m]
Study \Aérien_DN80_5bar_horizontal	Short pipe-rupture_10%	Category 5/D	METHANE	METHANE	20000	User-defined	3,68542
		Category 3/F	METHANE	METHANE	20000	User-defined	3,70223

Path	Scenario	Weather	Distance to UFL [m]	Distance to LFL [m]	Distance to LFL fraction [m]
Study \Aérien_DN80_5bar_horizontal	Short pipe-rupture_10%	Category 5/D	1,17259	2,57479	2,57479
		Category 3/F	1,33371	2,59048	2,59048

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/m ²) [m]	Distance downwind to intensity level 2 (5 kW/m ²) [m]	Distance downwind to intensity level 3 (8 kW/m ²) [m]
Study \\Aérien_DN80_5bar_horizontal	Short pipe-rupture_10%	Category 5/D	6,98669	7,98669	7,98669	7,98669
		Category 3/F	6,98669	7,98669	7,98669	7,98669

Flash Fire Results

Distance downwind to defined concentrations

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

Path	Scenario	Weather	Distance downwind to LFL [m]	Distance downwind to LFL Fraction [m]
Study\Aérien_DN80_5bar_horizontal	Short pipe-rupture_10%	Category 5/D	2,57479	2,57479
		Category 3/F	2,59048	2,59048

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\Aérien_DN80_5bar_horizontal	Short pipe-rupture_10%	Category 5/D	2,6047	1,07805	1,91797
		Category 3/F	2,68821	1,13666	7,5146

