

Explosion Report

Workspace: 72341-3InvioGN-01

Study: Invio GN a metanodotto

Equipment Item: 11R Metanodotto piattaforma Alt A

72341-3InvioGN-01\Invio GN a metanodotto\11R Metanodotto piattaforma Alt A

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (Leak) : 130mm

72341-3InvioGN-01\Invio GN a metanodotto\11R Metanodotto piattaforma Alt A\130mm

Weather: Category 2/F

Explosion location criterion	Cloud front (LFL fraction)	
Explosion height criterion	Effect height	
Explosion method	Multi-Energy: Uniform confined	
Uniform confined method explosion efficiency	12,5	%
Uniform confined method explosion strength	4	

Time of explosion [s]	Distance to centre of mass [m]	Distance to explosion centre [m]	Distance to ignition point [m]	Flammable mass [kg]	Overpressures (input) [bar]	Distance to specified overpressures [m]
1,2814	1,64364	10	10	64,8875	0,03	45,7881
					0,07	25,3449
					0,14	0
					0,3	0
					0,6	0

Weather: Category 5/D

Explosion location criterion	Cloud front (LFL fraction)	
Explosion height criterion	Effect height	
Explosion method	Multi-Energy: Uniform confined	
Uniform confined method explosion efficiency	12,5	%
Uniform confined method explosion strength	4	

Time of explosion [s]	Distance to centre of mass [m]	Distance to explosion centre [m]	Distance to ignition point [m]	Flammable mass [kg]	Overpressures (input) [bar]	Distance to specified overpressures [m]
0,737502	2,11108	10	10	42,8767	0,03	41,1716
					0,07	23,3654
					0,14	0
					0,3	0
					0,6	0
2,98322	3,4041	20	20	68,0727	0,03	56,3643
					0,07	35,5919
					0,14	0
					0,3	0
					0,6	0

