

Explosion Report

Workspace: 72341-3InvioGN

Study: Invio GN a metanodotto

Equipment Item: 11R Metanodotto piattaforma Alt A

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

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (Leak) : 130mm

72341-3InvioGN\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]
1,19215	1,53266	10	10	65,8104	0,03	45,9569
					0,07	25,4173
					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]
0,770775	2,12635	10	10	43,682	0,03	41,3655
					0,07	23,4486
					0,14	0
					0,3	0
					0,6	0
2,86031	3,46975	20	20	66,4445	0,03	56,072
					0,07	35,4666
					0,14	0
					0,3	0
					0,6	0

