

Explosion Report

Workspace: 72341-1RiempimFSRU

Study: Riempimento FSRU-ME4

Equipment Item: 6R Linee ricircolo GNL durante riempimento FSRU

72341-1RiempimFSRU\Riempimento FSRU-ME4\6R Linee ricircolo GNL durante riempimento FSRU

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (User defined source) : 80mm-Q25,4

72341-1RiempimFSRU\Riempimento FSRU-ME4\6R Linee ricircolo GNL durante riempimento FSRU\80mm-Q25,4

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]
1,91901	20,8867	10	10	21,713	0,03	34,8461
					0,07	20,6533
					0,14	0
					0,3	0
					0,6	0
1,91901	20,8867	20	20	21,713	0,03	44,8461

					0,07	30,6533
					0,14	0
					0,3	0
					0,6	0
1,91901	20,8867	30	30	21,713	0,03	54,8461
					0,07	40,6533
					0,14	0
					0,3	0
					0,6	0
2,53263	22,6926	40	40	28,5233	0,03	67,2114
					0,07	51,6674
					0,14	0
					0,3	0
					0,6	0
4,51061	28,5141	50	50	50,4762	0,03	82,914
					0,07	64,1125
					0,14	0
					0,3	0
					0,6	0
6,4886	34,3356	60	60	72,4291	0,03	97,1241
					0,07	75,9177
					0,14	0
					0,3	0
					0,6	0
10,5513	37,7478	70	70	85,0369	0,03	109,164
					0,07	86,7924
					0,14	0
					0,3	0
					0,6	0
16,8885	38,5312	80	80	87,4491	0,03	119,531
					0,07	96,9497
					0,14	0
					0,3	0
					0,6	0
23,2258	39,3147	90	90	89,8613	0,03	129,891
					0,07	107,104
					0,14	0
					0,3	0
					0,6	0
61,9399	39,2749	100	100	90,1684	0,03	139,936

					0,07	117,124
					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]
1,91863	22,2215	10	10	24,0887	0,03	35,7211
					0,07	21,0284
					0,14	0
					0,3	0
					0,6	0
1,91863	22,2215	20	20	24,0887	0,03	45,7211
					0,07	31,0284
					0,14	0
					0,3	0
					0,6	0
1,91863	22,2215	30	30	24,0887	0,03	55,7211
					0,07	41,0284
					0,14	0
					0,3	0
					0,6	0
2,93364	23,8469	40	40	28,2927	0,03	67,1379
					0,07	51,6359
					0,14	0
					0,3	0
					0,6	0
4,65092	26,5969	50	50	35,4054	0,03	79,2443
					0,07	62,5391
					0,14	0
					0,3	0

					0,6	0
6,36821	29,3469	60	60	42,5181	0,03	91,0844
					0,07	73,3281
					0,14	0
					0,3	0
					0,6	0
12,0155	31,1734	70	70	47,2374	0,03	102,194
					0,07	83,804
					0,14	0
					0,3	0
					0,6	0

