

Explosion Report

Workspace: 72341-3InvioGN

Study: Invio GN a metanodotto

Equipment Item: 12R Metanodotto piattaforma Alt B

72341-3InvioGN\Invio GN a metanodotto\12R Metanodotto piattaforma Alt B

| | | |
|----------|---------------------|---|
| Material | GAS NATURALE | |
| East | 0 | m |
| North | 0 | m |

Scenario (Leak) : 130mm

72341-3InvioGN\Invio GN a metanodotto\12R Metanodotto piattaforma Alt B\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] |
|-----------------------|--------------------------------|----------------------------------|--------------------------------|---------------------|-----------------------------|---|
| 1,25954 | 1,58158 | 10 | 10 | 63,7414 | 0,03 | 45,5761 |
| | | | | | 0,07 | 25,254 |
| | | | | | 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] |
|-----------------------|--------------------------------|----------------------------------|--------------------------------|---------------------|-----------------------------|---|
| 0,74788 | 2,11031 | 10 | 10 | 43,019 | 0,03 | 41,206 |
| | | | | | 0,07 | 23,3802 |
| | | | | | 0,14 | 0 |
| | | | | | 0,3 | 0 |
| | | | | | 0,6 | 0 |
| 3,01786 | 3,4225 | 20 | 20 | 67,737 | 0,03 | 56,3045 |
| | | | | | 0,07 | 35,5663 |
| | | | | | 0,14 | 0 |
| | | | | | 0,3 | 0 |
| | | | | | 0,6 | 0 |

