

# INPUT DATA

Unique Audit Number:

3.060



Study Folder: **RDSPoggiofiorito**

**PHAST 6.5**



**RDSPoggiofiorito**



**Study**

**4" D10**

## Base Case Data

\RDSPoggiofiorito\Study\4" D10

### Material

Material Identifier	METHANE
Type of Vessel	Pressurized Gas
Pressure Specification	Pressure specified
Discharge Pressure (gauge)	140 bar
Discharge Temperature	25 degC
Mass Inventory of material to discharge	2000 kg

### Scenario

Type of Event	Leak
Phase	Vapor
HoleDiameter	10 mm
Building Wake Option	None

### Location

[Elevation	1 m]
Dispersion Concentration of Interest	1E4 ppm
Averaging time associated with Concentration	Flammable
Distances of Interest(1)	1 m
Distances of Interest(2)	5 m
Distances of Interest(3)	10 m
ERPG selection	ERPG is not set
IDLH selection	IDLH is not set
STEL selection	STEL is not set
User Defined Averaging	No user defined averaging time supplied

### Bund

Status of Bund	No bund present
[Type of Bund Surface	Concrete]
[Bund Height	0 m]
[Bund Failure Modeling	Bund cannot fail]

### Indoor/Outdoor

Outdoor Release Direction	Horizontal
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### Flammable

Method to use for explosions	TNT
Jet Fire Method	Shell

### Dispersion

Ignition Location	No ignition location
Mass Inventory of material to Disperse	2000 kg

### Fireball Parameters

[Mass Modification Factor	3]
[Calculation method for fireball	DNV Recommended]
[Temperature of fireball	1727 degC]

### Jet Fire Parameters

Jet fire radiation intensity level 1	3 kW/m2
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## Jet Fire Parameters

Jet fire radiation intensity level 2

5 kW/m<sup>2</sup>

Jet fire radiation intensity level 3

12,5 kW/m<sup>2</sup>

[ Note: Data in square brackets are defaulted values ]