

INPUT DATA

Unique Audit Number:

2.724



Study Folder: **RDSPoggiofiorito**

PHAST 6.5



RDSPoggiofiorito



Study

6" D15

Base Case Data

\RDSPoggiofiorito\Study\6" D15

Material

Material Identifier	METHANE
Type of Vessel	Pressurized Gas
Pressure Specification	Pressure specified
Discharge Pressure (gauge)	90 bar
Discharge Temperature	25 degC
Mass Inventory of material to discharge	2000 kg

Scenario

Type of Event	Leak
Phase	Vapor
HoleDiameter	15 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/m²

Jet fire radiation intensity level 3

12,5 kW/m²

[Note: Data in square brackets are defaulted values]