

INPUT DATA

Unique Audit Number:

491



Study Folder: TOP EVENT 1

PHAST v6.00



TOP EVENT 1



Methanol spill out

Outside containment basins

Base Case

Data

TOP EVENT 1\Methanol spill out\Outside containment basins

Material

Material Identifier	METHANOL
Type of Vessel	Unpressurized (at atmospheric pressure)
Pressure Specification	Pressure not used
Discharge Temperature	44 C
Inventory of material to discharge	790 kg

Scenario

Type of Event	Leak
Phase	Liquid
Hole Diameter	100 mm

Vessel

Averaging used for time varying	Overall Average
Type of Tank	Rectangular
Tank Height	1.1 m
Tand Width	1.1 m
Tank Length	1.1 m

Location

Northern location of dispersion source	0 m
Eastern location of dispersion source	0 m
Height of Discharge above surface	0.4 m
Dispersion Concentration of Interest	10 ppm
Averaging time associated with Concentration	Flammable
Status of Dike	No dike present
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

Indoor/Outdoor

Outdoor Release Direction	Down - Impinging on the Ground
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Flammable

Location of Ignition	5 m
Method to use for explosions	TNT
Jet Fire Method	Shell

Dispersion

Ignition Location	Ignition location supplied
Inventory of material to Disperse	790 kg

Bleve Parameters

BLEVE radiation level 1	3 kW/m2
BLEVE radiation level 2	5 kW/m2
BLEVE radiation level 3	7 kW/m2

Jet Fire Parameters

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

Jet fire radiation level 2	5 kW/m2
Jet fire radiation level 3	7 kW/m2

Pool Fire Parameters

Pool fire radiation level 1	3 kW/m2
Pool fire radiation level 2	5 kW/m2
Pool fire radiation level 3	7 kW/m2

Multi Energy Explosion

Use Unconfined Volumes	No
Use Fractions	No
Use 1st Confined Source	No
Use 2nd Confined Source	No
Use 3rd Confined Source	No
Use 4th Confined Source	No
Use 5th Confined Source	No
Use 6th Confined Source	No
Use 7th Confined Source	No