

Modélisation de la dispersion atmosphérique des
toxiques en cas d'incendie d'une cellule de
stockage de pneumatiques

Incendie d'une cellule de stockage
Dispersion des suies
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1357 hours ST (using computer's clock)

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: A (user override) **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 27.34 kilograms/sec **Source Height: 217 meters**
Release Duration: 60 minutes
Release Rate: 1,670 kilograms/min
Total Amount Released: 99,900 kilograms

FOOTPRINT INFORMATION:

Dispersion Module: Gaussian
Yellow LOC (79 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion des suies
Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1401 hours ST (using computer's clock)

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: D

Air Temperature: 20° C

Relative Humidity: 50%

Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 27.34 kilograms/sec **Source Height: 87 meters**

Release Duration: 60 minutes

Release Rate: 1,670 kilograms/min

Total Amount Released: 99,900 kilograms

FOOTPRINT INFORMATION:

Dispersion Module: Gaussian

Yellow LOC (79 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion des suies
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1404 hours ST (using computer's clock)

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: F (user override) Air Temperature: 15° C

Relative Humidity: 50%

Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 27.34 kilograms/sec Source Height: 144 meters

Release Duration: 60 minutes

Release Rate: 1,670 kilograms/min

Total Amount Released: 99,900 kilograms

FOOTPRINT INFORMATION:

Dispersion Module: Gaussian

Yellow LOC (79 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion du Monoxyde de carbone
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1408 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol
ERPG-3: 500 ppm ERPG-2: 350 ppm ERPG-1: 200 ppm
IDLH: 1200 ppm
Normal Boiling Point: -191.5° C Ambient Boiling Point: -191.7° C
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: A (user override) Air Temperature: 20° C
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 13.26 kilograms/sec Source Height: 217 meters
Release Duration: 60 minutes
Release Rate: 807 kilograms/min
Total Amount Released: 48,420 kilograms
Note: This chemical may flash boil and/or result in two phase flow.
Use both dispersion modules to investigate its potential behavior.

FOOTPRINT INFORMATION:

Dispersion Module: Gaussian
Red LOC (3680 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (920 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion du Monoxyde de carbone
Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1409 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol
ERPG-3: 500 ppm ERPG-2: 350 ppm ERPG-1: 200 ppm
IDLH: 1200 ppm
Normal Boiling Point: -191.5° C Ambient Boiling Point: -191.7° C
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: D **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 13.26 kilograms/sec **Source Height: 87 meters**
Release Duration: 60 minutes
Release Rate: 807 kilograms/min
Total Amount Released: 48,420 kilograms
Note: This chemical may flash boil and/or result in two phase flow.
Use both dispersion modules to investigate its potential behavior.

FOOTPRINT INFORMATION:

Dispersion Module: Gaussian
Red LOC (3680 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (920 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion du Monoxyde de carbone
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1410 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol
ERPG-3: 500 ppm ERPG-2: 350 ppm ERPG-1: 200 ppm
IDLH: 1200 ppm
Normal Boiling Point: -191.5° C Ambient Boiling Point: -191.7° C
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: F (user override) Air Temperature: 15° C
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 13.26 kilograms/sec Source Height: 144 meters
Release Duration: 60 minutes
Release Rate: 807 kilograms/min
Total Amount Released: 48,420 kilograms
Note: This chemical may flash boil and/or result in two phase flow.
 Use both dispersion modules to investigate its potential behavior.

FOOTPRINT INFORMATION:

Dispersion Module: Gaussian
Red LOC (3680 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (920 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion du Dioxyde de carbone
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1413 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: CARBON DIOXIDE Molecular Weight: 44.01 g/mol

TEEL-3: 40000 ppm TEEL-2: 30000 ppm TEEL-1: 30000 ppm

IDLH: 40000 ppm

Normal Boiling Point: -unavail-

Vapor Pressure at Ambient Temperature: greater than 1 atm

Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

Note: Not enough chemical data to use Heavy Gas option

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: A (user override) Air Temperature: 20° C

Relative Humidity: 50% Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 353.53 kilograms/sec Source Height: 217 meters

Release Duration: 60 minutes

Release Rate: 21,500 kilograms/min

Total Amount Released: 1,292,220 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (89980 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion du Dioxyde de carbone
Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1414 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: CARBON DIOXIDE Molecular Weight: 44.01 g/mol

TEEL-3: 40000 ppm TEEL-2: 30000 ppm TEEL-1: 30000 ppm

IDLH: 40000 ppm

Normal Boiling Point: -unavail-

Vapor Pressure at Ambient Temperature: greater than 1 atm

Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

Note: Not enough chemical data to use Heavy Gas option

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: D

Air Temperature: 20° C

Relative Humidity: 50%

Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 353.53 kilograms/sec Source Height: 87 meters

Release Duration: 60 minutes

Release Rate: 21,500 kilograms/min

Total Amount Released: 1,292,220 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (89980 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage
Dispersion du Dioxyde de carbone
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1415 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: CARBON DIOXIDE Molecular Weight: 44.01 g/mol

TEEL-3: 40000 ppm TEEL-2: 30000 ppm TEEL-1: 30000 ppm

IDLH: 40000 ppm

Normal Boiling Point: -unavail-

Vapor Pressure at Ambient Temperature: greater than 1 atm

Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

Note: Not enough chemical data to use Heavy Gas option

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: F (user override) Air Temperature: 15° C

Relative Humidity: 50% Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 353.53 kilograms/sec Source Height: 144 meters

Release Duration: 60 minutes

Release Rate: 21,500 kilograms/min

Total Amount Released: 1,292,220 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (89980 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage de pneumatiques
Dispersion du SO₂
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1418 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: SULFUR DIOXIDE Molecular Weight: 64.06 g/mol
ERPG-3: 15 ppm ERPG-2: 3 ppm ERPG-1: 0.3 ppm
IDLH: 100 ppm
Carcinogenic risk - see CAMEO
Normal Boiling Point: -10.0° C Ambient Boiling Point: -10.2° C
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: A (user override) **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 1.79 kilograms/sec **Source Height: 217 meters**
Release Duration: 60 minutes
Release Rate: 109 kilograms/min
Total Amount Released: 6,552 kilograms
Note: This chemical may flash boil and/or result in two phase flow.

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (1885 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (211 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion du SO₂
Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1420 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: SULFUR DIOXIDE Molecular Weight: 64.06 g/mol
ERPG-3: 15 ppm ERPG-2: 3 ppm ERPG-1: 0.3 ppm
IDLH: 100 ppm
Carcinogenic risk - see CAMEO
Normal Boiling Point: -10.0° C Ambient Boiling Point: -10.2° C
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: D **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 1.79 kilograms/sec **Source Height: 87 meters**
Release Duration: 60 minutes
Release Rate: 109 kilograms/min
Total Amount Released: 6,552 kilograms
Note: This chemical may flash boil and/or result in two phase flow.

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (1885 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (211 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion du SO₂
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1421 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: SULFUR DIOXIDE Molecular Weight: 64.06 g/mol
ERPG-3: 15 ppm ERPG-2: 3 ppm ERPG-1: 0.3 ppm
IDLH: 100 ppm
Carcinogenic risk - see CAMEO
Normal Boiling Point: -10.0° C Ambient Boiling Point: -10.2° C
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: F (user override) **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 1.79 kilograms/sec **Source Height: 144 meters**
Release Duration: 60 minutes
Release Rate: 109 kilograms/min
Total Amount Released: 6,552 kilograms
Note: This chemical may flash boil and/or result in two phase flow.

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (1885 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (211 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage de pneumatiques
Dispersion du NO₂
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1424 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: NITROGEN DIOXIDE Molecular Weight: 46.01 g/mol
TEEL-3: 30 ppm TEEL-2: 15 ppm TEEL-1: 2 ppm
IDLH: 20 ppm
Normal Boiling Point: 21.0° C Ambient Boiling Point: 20.9° C
Vapor Pressure at Ambient Temperature: 0.95 atm
Ambient Saturation Concentration: 958,041 ppm or 95.8%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: A (user override) **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 0.51 kilograms/sec **Source Height: 217 meters**
Release Duration: 60 minutes
Release Rate: 31.2 kilograms/min
Total Amount Released: 1,872 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (132 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (75 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion du NO₂
Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1425 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: NITROGEN DIOXIDE Molecular Weight: 46.01 g/mol

TEEL-3: 30 ppm TEEL-2: 15 ppm TEEL-1: 2 ppm

IDLH: 20 ppm

Normal Boiling Point: 21.0° C Ambient Boiling Point: 20.9° C

Vapor Pressure at Ambient Temperature: 0.95 atm

Ambient Saturation Concentration: 958,041 ppm or 95.8%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: D

Air Temperature: 20° C

Relative Humidity: 50%

Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 0.51 kilograms/sec Source Height: 87 meters

Release Duration: 60 minutes

Release Rate: 31.2 kilograms/min

Total Amount Released: 1,872 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (132 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Orange LOC (75 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Incendie d'une cellule de stockage de pneumatiques
Dispersion du NO₂
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1426 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: NITROGEN DIOXIDE Molecular Weight: 46.01 g/mol
TEEL-3: 30 ppm TEEL-2: 15 ppm TEEL-1: 2 ppm
IDLH: 20 ppm
Normal Boiling Point: 21.0° C Ambient Boiling Point: 20.9° C
Vapor Pressure at Ambient Temperature: 0.95 atm
Ambient Saturation Concentration: 958,041 ppm or 95.8%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: F (user override) **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 0.51 kilograms/sec **Source Height: 144 meters**
Release Duration: 60 minutes
Release Rate: 31.2 kilograms/min
Total Amount Released: 1,872 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (132 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (75 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion du formol
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1430 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: FORMIC ACID Molecular Weight: 46.03 g/mol
TEEL-3: 30 ppm TEEL-2: 10 ppm TEEL-1: 10 ppm
IDLH: 30 ppmf
Normal Boiling Point: 100.6° C Ambient Boiling Point: 100.3° C
Vapor Pressure at Ambient Temperature: 0.044 atm
Ambient Saturation Concentration: 44,317 ppm or 4.43%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: A (user override) **Air Temperature: 20° C**
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 0.02 kilograms/sec **Source Height: 217 meters**
Release Duration: 60 minutes
Release Rate: 1.2 kilograms/min
Total Amount Released: 72.0 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (31 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (12 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques

Dispersion du formol

Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1432 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: FORMIC ACID Molecular Weight: 46.03 g/mol

TEEL-3: 30 ppm TEEL-2: 10 ppm TEEL-1: 10 ppm

IDLH: 30 ppm

Normal Boiling Point: 100.6° C Ambient Boiling Point: 100.3° C

Vapor Pressure at Ambient Temperature: 0.044 atm

Ambient Saturation Concentration: 44,317 ppm or 4.43%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: D

Air Temperature: 20° C

Relative Humidity: 50%

Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 0.02 kilograms/sec Source Height: 87 meters

Release Duration: 60 minutes

Release Rate: 1.2 kilograms/min

Total Amount Released: 72.0 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (31 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Orange LOC (12 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion du formol
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1433 hours ST (using computer's clock)

CHEMICAL INFORMATION:

Chemical Name: FORMIC ACID Molecular Weight: 46.03 g/mol
TEEL-3: 30 ppm TEEL-2: 10 ppm TEEL-1: 10 ppm
IDLH: 30 ppm
Normal Boiling Point: 100.6° C Ambient Boiling Point: 100.3° C
Vapor Pressure at Ambient Temperature: 0.044 atm
Ambient Saturation Concentration: 44,317 ppm or 4.43%

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: F (user override) Air Temperature: 20° C
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 0.02 kilograms/sec Source Height: 144 meters
Release Duration: 60 minutes
Release Rate: 1.2 kilograms/min
Total Amount Released: 72.0 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (31 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (12 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion des fumées d'incendie_ Seuils équivalents
Condition A, vent 2 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE
Building Air Exchanges Per Hour: 0.32 (sheltered single storied)
Time: March 19, 2018 1434 hours ST (using computer's clock)

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 2 meters/sec from SW at 3 meters
No Inversion Height
Stability Class: A (user override) Air Temperature: 20° C
Relative Humidity: 50% Ground Roughness: open country
Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 408.51 kilograms/sec Source Height: 217 meters
Release Duration: 60 minutes
Release Rate: 24,900 kilograms/min
Total Amount Released: 1,492,200 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian
Red LOC (31018 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.
Orange LOC (11346 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**
Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion des fumées d'incendie_ Seuls équivalents
Condition D, vent 5 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1435 hours ST (using computer's clock)

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 5 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: D

Air Temperature: 20° C

Relative Humidity: 50%

Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 408.51 kilograms/sec Source Height: 87 meters

Release Duration: 60 minutes

Release Rate: 24,900 kilograms/min

Total Amount Released: 1,492,200 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (31018 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Orange LOC (11346 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC

Incendie d'une cellule de stockage de pneumatiques
Dispersion des fumées d'incendie_ Seuils équivalents
Condition F, vent 3 m/s

SITE DATA INFORMATION:

Location: POUPRY, FRANCE

Building Air Exchanges Per Hour: 0.32 (sheltered single storied)

Time: March 19, 2018 1436 hours ST (using computer's clock)

ATMOSPHERIC INFORMATION: (MANUAL INPUT OF DATA)

Wind: 3 meters/sec from SW at 3 meters

No Inversion Height

Stability Class: F (user override) Air Temperature: 20° C

Relative Humidity: 50% Ground Roughness: open country

Cloud Cover: 5 tenths

SOURCE STRENGTH INFORMATION:

Direct Source: 408.51 kilograms/sec Source Height: 144 meters

Release Duration: 60 minutes

Release Rate: 24,900 kilograms/min

Total Amount Released: 1,492,200 kilograms

FOOTPRINT INFORMATION: (GAUSS SELECTED)

Dispersion Module: Gaussian

Red LOC (31018 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC.

Orange LOC (11346 mg/(cu m)) Max Threat Zone: **LOC is not exceeded**

Note: Footprint was not drawn because the ground level concentrations never exceed the LOC