# Modélisation de la dispersion atmosphérique des toxiques en cas d'incendie d'une cellule de stockage de produits combustibles

Condition A, vent 2 m/s Condition D, vent 5 m/s Condition F, vent 3 m/s

	CITE DATA.	CITE DATA.	CITE DATA.	
	SITE DATA: SITE DATA:		SITE DATA:	
	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE Location: BOIGNY-SUR-BIONNE, FRANCE		
Building Air Exchanges Per Hour: 0.42 (unsheltered single storied)		Building Air Exchanges Per Hour: 1.04 (unsheltered single storied)	Building Air Exchanges Per Hour: 0.65 (unsheltered single storied)	
	Time: MAY 10, 2022 1032 hours DST (using computer's clock)	Time: MAY 10, 2022 1034 hours DST (using computer's clock)	Time: MAY 10, 2022 1035 hours DST (using computer's clock)	
	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	
	Wind: 2 meters/second from SSW at 3 meters	Wind: 5 meters/second from SSW at 3 meters	Wind: 3 meters/second from SSW at 3 meters	
	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths	
	Air Temperature: 20° C	Air Temperature: 20° C	Air Temperature: 15° C	
	Stability Class: A (user override)	Stability Class: D	Stability Class: F (user override)	
	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%	
Suies	SOURCE STRENGTH:	SOURCE STRENGTH:	SOURCE STRENGTH:	
	Direct Source: 14,82 kilograms/sec Source Height: 200 meters	Direct Source: 14,82 kilograms/sec Source Height: 80 meters	Direct Source: 14,82 kilograms/sec Source Height: 133 meters	
	Release Duration: 60 minutes	Release Duration: 60 minutes	Release Duration: 60 minutes	
	Release Rate: 889,2 kilograms/min Release Rate: 889,2 kilograms/min		Release Rate: 889,2 kilograms/min	
	Total Amount Released: 53352 kilograms	Total Amount Released: 53352 kilograms	Total Amount Released: 53352 kilograms	
	Note: This chemical may flash boil and/or result in two phase flow.	Note: This chemical may flash boil and/or result in two phase flow.	Note: This chemical may flash boil and/or result in two phase flow.	
	Use both dispersion modules to investigate its potential behavior.	Use both dispersion modules to investigate its potential behavior.	Use both dispersion modules to investigate its potential behavior.	
	THREAT ZONE: (GAUSSIAN SELECTED)	THREAT ZONE: (GAUSSIAN SELECTED)	THREAT ZONE: (GAUSSIAN SELECTED)	
1	Model Run: Gaussian	Model Run: Gaussian	Model Run: Gaussian	
1	Red : LOC is not exceeded (79 mg/(cu m))	Red : LOC is not exceeded (79 mg/(cu m))	Red : LOC is not exceeded (79 mg/(cu m))	
1	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because	
	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.	

#### Condition A, vent 2 m/s

#### Condition D, vent 5 m/s

## SITE DATA:

Location: BOIGNY-SUR-BIONNE, FRANCE

Building Air Exchanges Per Hour: 0.42 (unsheltered single storied)
Time: MAY 10, 2022 1036 hours DST (using computer's clock)

#### CHEMICAL DATA:

Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol AEGL-1 (60 min): N/A AEGL-2 (60 min): 83 ppm AEGL-3 (60 min): 330 ppm

IDLH: 1200 ppm LEL: 125000 ppm UEL: 742000 ppm

Ambient Boiling Point: -191.5° C

Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)

Wind: 2 meters/second from SSW at 3 meters

Ground Roughness: open country Cloud Cover: 5 tenths

Air Temperature: 20° C

Stability Class: A (user override)

No Inversion Height Relative Humidity: 50%

#### SOURCE STRENGTH:

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Direct Source: 46,49 kilograms/sec Source Height: 200 meters

Release Duration: 60 minutes Release Rate: 2789,4 kilograms/min Total Amount Released: 167364 kilograms

Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.

THREAT ZONE: (GAUSSIAN SELECTED)

Model Run: Gaussian

Red : LOC is not exceeded --- (3680 mg/(cu m))

Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

Orange: LOC is not exceeded --- (920 mg/(cu m))
Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

SITE DATA:

Location: BOIGNY-SUR-BIONNE, FRANCE

Building Air Exchanges Per Hour: 1.04 (unsheltered single storied)
Time: MAY 10. 2022 1037 hours DST (using computer's clock)

CHEMICAL DATA:

Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol AEGL-1 (60 min): N/A AEGL-2 (60 min): 83 ppm AEGL-3 (60 min): 330 ppm

IDLH: 1200 ppm LEL: 125000 ppm UEL: 742000 ppm

Ambient Boiling Point: -191.5° C

Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)

Wind: 5 meters/second from SSW at 3 meters

Ground Roughness: open country Cloud Cover: 5 tenths

Air Temperature: 20° C Stability Class: D

No Inversion Height Relative Humidity: 50%

SOURCE STRENGTH:

Release Duration: 60 minutes Release Rate: 2789,4 kilograms/min Total Amount Released: 167364 kilograms

Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.

THREAT ZONE: (GAUSSIAN SELECTED)

Model Run: Gaussian

Red : LOC is not exceeded --- (3680 mg/(cu m))
Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (920 mg/(cu m))

Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

SITE DATA:

Location: BOIGNY-SUR-BIONNE, FRANCE

Building Air Exchanges Per Hour: 0.65 (unsheltered single storied)

Time: MAY 10, 2022 1037 hours DST (using computer's clock)

CHEMICAL DATA:

Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol AEGL-1 (60 min): N/A AEGL-2 (60 min): 83 ppm AEGL-3 (60 min): 330 ppm

IDLH: 1200 ppm LEL: 125000 ppm UEL: 742000 ppm

Ambient Boiling Point: -191.5° C

Condition F, vent 3 m/s

Vapor Pressure at Ambient Temperature: greater than 1 atm

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

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)

Wind: 3 meters/second from SSW at 3 meters

Ground Roughness: open country Cloud Cover: 5 tenths

Air Temperature: 15° C

Stability Class: F (user override)

No Inversion Height Relative Humidity: 50%

SOURCE STRENGTH:

Direct Source: 46,49 kilograms/sec Source Height: 133 meters

Release Duration: 60 minutes Release Rate: 2789,4 kilograms/min Total Amount Released: 167364 kilograms

Note: This chemical may flash boil and/or result in two phase flow.

Use both dispersion modules to investigate its potential behavior.

THREAT ZONE: (GAUSSIAN SELECTED)

Model Run: Gaussian

Red : LOC is not exceeded --- (3680 mg/(cu m))

Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

Orange: LOC is not exceeded --- (920 mg/(cu m))

Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

#### Condition A, vent 2 m/s

#### Condition D, vent 5 m/s

#### Condition F, vent 3 m/s

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CO2

Location: BOIGNY-SUR-BIONNE, FRANCE

Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: MAY 10, 2022 1038 hours DST (using computer's clock)

CHEMICAL DATA:

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

PAC-1: 30000 ppm PAC-2: 30000 ppm PAC-3: 50000 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 DATA: (MANUAL INPUT OF DATA)

Wind: 2 meters/second from SSW at 3 meters

Ground Roughness: open country Cloud Cover: 5 tenths

Air Temperature: 20° C

Stability Class: A (user override)

No Inversion Height Relative Humidity: 50%

SOURCE STRENGTH:

Direct Source: 464,93 kilograms/sec Source Height: 200 meters

Release Duration: 60 minutes

Release Rate: 27895,8 kilograms/min Total Amount Released: 1673748 kilograms

THREAT ZONE: (GAUSSIAN SELECTED)

Model Run: Gaussian

Red : LOC is not exceeded --- (89980 mg/(cu m))
Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

SITE DATA:

Location: BOIGNY-SUR-BIONNE, FRANCE

Building Air Exchanges Per Hour: 1.04 (unsheltered single storied)
Time: MAY 10, 2022 1038 hours DST (using computer's clock)

CHEMICAL DATA:

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

PAC-1: 30000 ppm PAC-2: 30000 ppm PAC-3: 50000 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 DATA: (MANUAL INPUT OF DATA)

Wind: 5 meters/second from SSW at 3 meters

Ground Roughness: open country Cloud Cover: 5 tenths

Air Temperature: 20° C Stability Class: D

No Inversion Height Relative Humidity: 50%

SOURCE STRENGTH:

Direct Source: 464,93 kilograms/sec Source Height: 80 meters

Release Duration: 60 minutes

Release Rate: 27895,8 kilograms/min Total Amount Released: 1673748 kilograms

THREAT ZONE: (GAUSSIAN SELECTED)

Model Run: Gaussian

Red: LOC is not exceeded --- (89980 mg/(cu m))
Note: Threat zone was not drawn because
the ground level concentrations never exceed the LOC.

SITE DATA:

Location: BOIGNY-SUR-BIONNE, FRANCE

Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: MAY 10, 2022 1038 hours DST (using computer's clock)

CHEMICAL DATA:

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

PAC-1: 30000 ppm PAC-2: 30000 ppm PAC-3: 50000 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 DATA: (MANUAL INPUT OF DATA)

Wind: 3 meters/second from SSW at 3 meters

Ground Roughness: open country Cloud Cover: 5 tenths

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

No Inversion Height Relative Humidity: 50%

SOURCE STRENGTH:

Direct Source: 464,93 kilograms/sec Source Height: 133 meters

Release Duration: 60 minutes

Release Rate: 27895,8 kilograms/min

Total Amount Released: 1673748 kilograms

THREAT ZONE: (GAUSSIAN SELECTED)

Model Run: Gaussian

Red : LOC is not exceeded --- (89980 mg/(cu m))

Note: Threat zone was not drawn because

the ground level concentrations never exceed the LOC.

### Condition A, vent 2 m/s

### Condition D, vent 5 m/s

### Condition F, vent 3 m/s

	Condition A, Vent 2 m/s	Condition B, Vent S 1183	Condition 1, Vent 3 m/3
	SITE DATA:	SITE DATA:	SITE DATA:
	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE
	Building Air Exchanges Per Hour: 0.42 (unsheltered single storied)	Building Air Exchanges Per Hour: 1.04 (unsheltered single storied)	Building Air Exchanges Per Hour: 0.65 (unsheltered single storied)
	Time: MAY 10, 2022 1039 hours DST (using computer's clock)	Time: MAY 10, 2022 1039 hours DST (using computer's clock)	Time: MAY 10, 2022 1040 hours DST (using computer's clock)
	CHEMICAL DATA:	CHEMICAL DATA:	CHEMICAL DATA:
	Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This	Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This	Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This
	can affect the evaporation rate and downwind dispersion. ALOHA cannot	can affect the evaporation rate and downwind dispersion. ALOHA cannot	can affect the evaporation rate and downwind dispersion. ALOHA cannot
	accurately predict the air hazard if this substance comes in contact with	accurately predict the air hazard if this substance comes in contact with	accurately predict the air hazard if this substance comes in contact with
	water.	water.	water.
	Chemical Name: HYDROGEN CHLORIDE Molecular Weight: 36.46 g/mol	Chemical Name: HYDROGEN CHLORIDE Molecular Weight: 36.46 g/mol	Chemical Name: HYDROGEN CHLORIDE Molecular Weight: 36.46 g/mol
	AEGL-1 (60 min): 1.8 ppm AEGL-2 (60 min): 22 ppm AEGL-3 (60 min): 100 ppm	AEGL-1 (60 min): 1.8 ppm AEGL-2 (60 min): 22 ppm AEGL-3 (60 min): 100 ppn	AEGL-1 (60 min): 1.8 ppm AEGL-2 (60 min): 22 ppm AEGL-3 (60 min): 100 ppm
	IDLH: 50 ppm	IDLH: 50 ppm	IDLH: 50 ppm
	Ambient Boiling Point: -85.0° C	Ambient Boiling Point: -85.0° C	Ambient Boiling Point: -85.0° C
	Vapor Pressure at Ambient Temperature: greater than 1 atm	Vapor Pressure at Ambient Temperature: greater than 1 atm	Vapor Pressure at Ambient Temperature: greater than 1 atm
	Ambient Saturation Concentration: 1,000,000 ppm or 100.0%	Ambient Saturation Concentration: 1,000,000 ppm or 100.0%	Ambient Saturation Concentration: 1,000,000 ppm or 100.0%
	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
	Wind: 2 meters/second from SSW at 3 meters	Wind: 5 meters/second from SSW at 3 meters	Wind: 3 meters/second from SSW at 3 meters
нсі	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths
	Air Temperature: 20° C	Air Temperature: 20° C	Air Temperature: 15° C
	Stability Class: A (user override)	Stability Class: D	Stability Class: F (user override)
	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%
	SOURCE STRENGTH:	SOURCE STRENGTH:	SOURCE STRENGTH:
	Direct Source: 17,52 kilograms/sec Source Height: 200 meters	Direct Source: 17,52 kilograms/sec Source Height: 80 meters	Direct Source: 17,52 kilograms/sec Source Height: 133 meters
	Release Duration: 60 minutes	Release Duration: 60 minutes	Release Duration: 60 minutes
	Release Rate: 1051,2 kilograms/min	Release Rate: 1051,2 kilograms/min	Release Rate: 1051,2 kilograms/min
	Total Amount Released: 63072 kilograms	Total Amount Released: 63072 kilograms	Total Amount Released: 63072 kilograms
	Note: This chemical may flash boil and/or result in two phase flow.	Note: This chemical may flash boil and/or result in two phase flow.	Note: This chemical may flash boil and/or result in two phase flow.
	TUDEAT ZONE (ON IOONAN OF LEGTED)	TUDEAT TONE (ANIGONALICE FOTED)	TUDEAT ZONE (OALIOOLAN OELEGTED)
	THREAT ZONE: (GAUSSIAN SELECTED)  Model Run: Gaussian	THREAT ZONE: (GAUSSIAN SELECTED)  Model Run: Gaussian	THREAT ZONE: (GAUSSIAN SELECTED)  Model Run: Gaussian
	Red: LOC is not exceeded (358 mg/(cu m))	Red: LOC is not exceeded (358 mg/(cu m))	Red: LOC is not exceeded (358 mg/(cu m))
	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because
	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.

the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (60 mg/(cu m))

Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (60 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.

the ground level concentrations never exceed the LOC.

Orange: LOC is not exceeded --- (60 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.

#### Condition A. vent 2 m/s

Red : LOC is not exceeded --- (45 mg/(cu m))

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

#### Condition D. vent 5 m/s

#### Condition F, vent 3 m/s

Red : LOC is not exceeded --- (45 mg/(cu m))

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

	Condition A, vent 2 m/s	Condition D, vent 5 m/s	Condition F, vent 3 m/s
	SITE DATA:	SITE DATA:	SITE DATA:
	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE
	Building Air Exchanges Per Hour: 0.42 (unsheltered single storied)	Building Air Exchanges Per Hour: 1.04 (unsheltered single storied)	Building Air Exchanges Per Hour: 0.65 (unsheltered single storied)
	Time: MAY 10, 2022 1040 hours DST (using computer's clock)	Time: MAY 10, 2022 1041 hours DST (using computer's clock)	Time: MAY 10, 2022 1041 hours DST (using computer's clock)
	CHEMICAL DATA:	CHEMICAL DATA:	CHEMICAL DATA:
	Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol	Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol	Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol
	AEGL-1 (60 min): 2 ppm AEGL-2 (60 min): 7.1 ppm AEGL-3 (60 min): 15 ppm	AEGL-1 (60 min): 2 ppm AEGL-2 (60 min): 7.1 ppm AEGL-3 (60 min): 15 ppm	AEGL-1 (60 min): 2 ppm AEGL-2 (60 min): 7.1 ppm AEGL-3 (60 min): 15 ppm
	IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm	IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm	IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm
	Ambient Boiling Point: 25.5° C	Ambient Boiling Point: 25.5° C	Ambient Boiling Point: 25.5° C
	Vapor Pressure at Ambient Temperature: 0.81 atm	Vapor Pressure at Ambient Temperature: 0.81 atm	Vapor Pressure at Ambient Temperature: 0.81 atm
	Ambient Saturation Concentration: 807,489 ppm or 80.7%	Ambient Saturation Concentration: 807,489 ppm or 80.7%	Ambient Saturation Concentration: 807,489 ppm or 80.7%
	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
	Wind: 2 meters/second from SSW at 3 meters	Wind: 5 meters/second from SSW at 3 meters	Wind: 3 meters/second from SSW at 3 meters
H	CN Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths
	Air Temperature: 20° C	Air Temperature: 20° C	Air Temperature: 15° C
	Stability Class: A (user override)	Stability Class: D	Stability Class: F (user override)
	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%
	SOURCE STRENGTH:	SOURCE STRENGTH:	SOURCE STRENGTH:
	Direct Source: 1,36 kilograms/sec Source Height: 200 meters	Direct Source: 1,36 kilograms/sec Source Height: 80 meters	Direct Source: 1,36 kilograms/sec Source Height: 133 meters
	Release Duration: 60 minutes	Release Duration: 60 minutes	Release Duration: 60 minutes
	Release Rate: 81,6 kilograms/min	Release Rate: 81,6 kilograms/min	Release Rate: 81,6 kilograms/min
	Total Amount Released: 4896 kilograms	Total Amount Released: 4896 kilograms	Total Amount Released: 4896 kilograms
	THREAT ZONE: (GAUSSIAN SELECTED)	THREAT ZONE: (GAUSSIAN SELECTED)	THREAT ZONE: (GAUSSIAN SELECTED)
1	Model Run: Gaussian	Model Run: Gaussian	Model Run: Gaussian
1	B   100; /     1   /45   //	5	5 1 100: 1 11 /15 // "

Red : LOC is not exceeded --- (45 mg/(cu m))

the ground level concentrations never exceed the LOC.

Note: Threat zone was not drawn because

# Condition A, vent 2 m/s Condition D, vent 5 m/s Condition F, vent 3 m/s

	SITE DATA:	SITE DATA:	SITE DATA:
	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE	Location: BOIGNY-SUR-BIONNE, FRANCE
	Building Air Exchanges Per Hour: 0.42 (unsheltered single storied)	Building Air Exchanges Per Hour: 1.04 (unsheltered single storied)	Building Air Exchanges Per Hour: 0.65 (unsheltered single storied)
	Time: MAY 10, 2022 1042 hours DST (using computer's clock)	Time: MAY 10, 2022 1042 hours DST (using computer's clock)	Time: MAY 10, 2022 1043 hours DST (using computer's clock)
	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
	Wind: 2 meters/second from SSW at 3 meters	Wind: 5 meters/second from SSW at 3 meters	Wind: 3 meters/second from SSW at 3 meters
	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths	Ground Roughness: open country Cloud Cover: 5 tenths
	Air Temperature: 20° C	Air Temperature: 20° C	Air Temperature: 15° C
	Stability Class: A (user override)	Stability Class: D	Stability Class: F (user override)
	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%	No Inversion Height Relative Humidity: 50%
	SOURCE STRENGTH:	SOURCE STRENGTH:	SOURCE STRENGTH:
Fumées	Direct Source: 2117,03 kilograms/sec Source Height: 200 meters	Direct Source: 2117,03 kilograms/sec Source Height: 80 meters	Direct Source: 2117,03 kilograms/sec Source Height: 133 meters
runiees	Release Duration: 60 minutes	Release Duration: 60 minutes	Release Duration: 60 minutes
	Release Rate: 127021,8 kilograms/min	Release Rate: 127021,8 kilograms/min	Release Rate: 127021,8 kilograms/min
	Total Amount Released: 7621308 kilograms	Total Amount Released: 7621308 kilograms	Total Amount Released: 7621308 kilograms
	Note: This chemical may flash boil and/or result in two phase flow.	Note: This chemical may flash boil and/or result in two phase flow.	Note: This chemical may flash boil and/or result in two phase flow.
	Use both dispersion modules to investigate its potential behavior.	Use both dispersion modules to investigate its potential behavior.	Use both dispersion modules to investigate its potential behavior.
	THREAT ZONE: (GAUSSIAN SELECTED)	THREAT ZONE: (GAUSSIAN SELECTED)	THREAT ZONE: (GAUSSIAN SELECTED)
	Model Run: Gaussian	Model Run: Gaussian	Model Run: Gaussian
	Red : LOC is not exceeded (21705 mg/(cu m))	Red : LOC is not exceeded (21705 mg/(cu m))	Red : LOC is not exceeded (21705 mg/(cu m))
	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because
	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.
	Orange: LOC is not exceeded (5568 mg/(cu m))	Orange: LOC is not exceeded (5568 mg/(cu m))	Orange: LOC is not exceeded (5568 mg/(cu m))
	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because	Note: Threat zone was not drawn because
	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.	the ground level concentrations never exceed the LOC.