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
Suies	SITE DATA: Location: BOIGNY-SUR-BIONNE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: MAY 10, 2022 1032 hours DST (using computer's clock) 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: 12,97 kilograms/sec Source Height: 190 meters Release Duration: 60 minutes Release Rate: 778,2 kilograms/min Total Amount Released: 46692 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 --- (79 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 1034 hours DST (using computer's clock) 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: 12,97 kilograms/sec Source Height: 76 meters Release Duration: 60 minutes Release Rate: 778,2 kilograms/min Total Amount Released: 46692 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 --- (79 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 1035 hours DST (using computer's clock) 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: 12,97 kilograms/sec Source Height: 127 meters Release Duration: 60 minutes Release Rate: 778,2 kilograms/min Total Amount Released: 46692 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 --- (79 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
CO	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: Direct Source: 40,68 kilograms/sec Source Height: 190 meters Release Duration: 60 minutes Release Rate: 2440,8 kilograms/min Total Amount Released: 146448 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: Direct Source: 40,68 kilograms/sec Source Height: 76 meters Release Duration: 60 minutes Release Rate: 2440,8 kilograms/min Total Amount Released: 146448 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 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: 40,68 kilograms/sec Source Height: 127 meters Release Duration: 60 minutes Release Rate: 2440,8 kilograms/min Total Amount Released: 146448 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
CO_2	SITE DATA: 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: 406,81 kilograms/sec Source Height: 190 meters Release Duration: 60 minutes Release Rate: 24408,6 kilograms/min Total Amount Released: 1464516 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: 406,81 kilograms/sec Source Height: 76 meters Release Duration: 60 minutes Release Rate: 24408,6 kilograms/min Total Amount Released: 1464516 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: 406,81 kilograms/sec Source Height: 127 meters Release Duration: 60 minutes Release Rate: 24408,6 kilograms/min Total Amount Released: 1464516 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
HCl	SITE DATA: Location: BOIGNY-SUR-BIONNE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: MAY 10, 2022 1039 hours DST (using computer's clock) CHEMICAL DATA: Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This can affect the evaporation rate and downwind dispersion. ALOHA cannot accurately predict the air hazard if this substance comes in contact with water. 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 IDLH: 50 ppm Ambient Boiling Point: -85.0° 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: Direct Source: 15,33 kilograms/sec Source Height: 190 meters Release Duration: 60 minutes Release Rate: 919,8 kilograms/min Total Amount Released: 55188 kilograms Note: This chemical may flash boil and/or result in two phase flow. THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (358 mg/(cu m)) Note: Threat zone was not drawn because 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.	SITE DATA: Location: BOIGNY-SUR-BIONNE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: MAY 10, 2022 1039 hours DST (using computer's clock) CHEMICAL DATA: Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This can affect the evaporation rate and downwind dispersion. ALOHA cannot accurately predict the air hazard if this substance comes in contact with water. 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 IDLH: 50 ppm Ambient Boiling Point: -85.0° 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: Direct Source: 15,33 kilograms/sec Source Height: 76 meters Release Duration: 60 minutes Release Rate: 919,8 kilograms/min Total Amount Released: 55188 kilograms Note: This chemical may flash boil and/or result in two phase flow. THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (358 mg/(cu m)) Note: Threat zone was not drawn because 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.	SITE DATA: Location: BOIGNY-SUR-BIONNE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: MAY 10, 2022 1040 hours DST (using computer's clock) CHEMICAL DATA: Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This can affect the evaporation rate and downwind dispersion. ALOHA cannot accurately predict the air hazard if this substance comes in contact with water. 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 IDLH: 50 ppm Ambient Boiling Point: -85.0° 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: 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: 15,33 kilograms/sec Source Height: 127 meters Release Duration: 60 minutes Release Rate: 919,8 kilograms/min Total Amount Released: 55188 kilograms Note: This chemical may flash boil and/or result in two phase flow. THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (358 mg/(cu m)) Note: Threat zone was not drawn because 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	Condition D, vent 5 m/s	Condition F, vent 3 m/s
HCN	SITE DATA: Location: BOIGNY-SUR-BIONNE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: MAY 10, 2022 1040 hours DST (using computer's clock) CHEMICAL DATA: 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 IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm Ambient Boiling Point: 25.5° C Vapor Pressure at Ambient Temperature: 0.81 atm Ambient Saturation Concentration: 807,489 ppm or 80.7% 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: 1,19 kilograms/sec Source Height: 190 meters Release Duration: 60 minutes Release Rate: 71,4 kilograms/min Total Amount Released: 4284 kilograms THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (45 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 1041 hours DST (using computer's clock) CHEMICAL DATA: 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 IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm Ambient Boiling Point: 25.5° C Vapor Pressure at Ambient Temperature: 0.81 atm Ambient Saturation Concentration: 807,489 ppm or 80.7% 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: 1,19 kilograms/sec Source Height: 76 meters Release Duration: 60 minutes Release Rate: 71,4 kilograms/min Total Amount Released: 4284 kilograms THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (45 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 1041 hours DST (using computer's clock) CHEMICAL DATA: 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 IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm Ambient Boiling Point: 25.5° C Vapor Pressure at Ambient Temperature: 0.81 atm Ambient Saturation Concentration: 807,489 ppm or 80.7% 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: 1,19 kilograms/sec Source Height: 127 meters Release Duration: 60 minutes Release Rate: 71,4 kilograms/min Total Amount Released: 4284 kilograms THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian 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
Fumées	SITE DATA: Location: BOIGNY-SUR-BIONNE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: MAY 10, 2022 1042 hours DST (using computer's clock) 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: 1852,4 kilograms/sec Source Height: 190 meters Release Duration: 60 minutes Release Rate: 111144 kilograms/min Total Amount Released: 6668640 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 --- (21705 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (5568 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 1042 hours DST (using computer's clock) 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: 1852,4 kilograms/sec Source Height: 76 meters Release Duration: 60 minutes Release Rate: 111144 kilograms/min Total Amount Released: 6668640 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 --- (21705 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (5568 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 1043 hours DST (using computer's clock) 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: 1852,4 kilograms/sec Source Height: 127 meters Release Duration: 60 minutes Release Rate: 111144 kilograms/min Total Amount Released: 6668640 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 --- (21705 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (5568 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.