An tÚdarás Sláinte agus Sábháilteachta
Health and Safety Authority
0818 289 389 comah@hsa.ie www.hsa.ie

Public Information on an upper-tier establishment as required by Regulation 25

Information on upper-tier establishments

All establishments subject to the *COMAH Regulations 2015* have submitted a notification in a standard form to the Authority. This includes information on their location, the hazard categories of the dangerous substances present with an indication of their dangers, emergency action information and sources of additional relevant information.

Additional information has been provided by upper-tier establishments, including details on the possible major accidents arising in the establishment and the action to take in the event of an emergency.

General Duties on Operators

Operators have a general duty to identify all the major accident hazards in their establishment, take all necessary measures to prevent major accidents and to limit the consequences of such accidents to human health and the environment.

Operators of upper-tier establishments are also specifically required to ensure that 'all persons likely to be affected' by a major accident originating at the establishment receive clear and intelligible information on safety measures and on what they should do in the event of a major accident. This information must be directly supplied to all buildings and areas of public use, including schools and hospitals and, in the case of domino groups, to all neighbouring establishments.

Information on emergency plans

Information on external emergency plans may also be available from the Local Authority, the Gardaí and the Health Services Executive.

Public information for an upper-tier establishment

This establishment is subject to the COMAH Regulations 2015 and has submitted a notification to the Authority.

The following information, which has been extracted from the notification, fulfils the requirements of Regulation 25(3)(a).

The date of the most recent COMAH inspection (added by the Central Competent Authority) can also be found in the table below.

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Notification History

Thermo Fisher Scientific Cork Limited

Version	Reason	Date
1.0	New notification	13/11/2019
2.0	Information Update	03/11/2020
3.0	Information update	21/12/2020
4.0	Information update	06/01/2022
5.0	Infotmation update	02/03/2023

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Regulation 25 information for Thermo Fisher Scientific Cork Limited

Operator Name	Registered Name	Thermo Fisher Scientific Cork Limited
	Trade Name	Thermo Fisher Scientific Cork Limited
Establishment Address	Address	Currabinny, Carrigaline
	County	Cork
	Eircode	P43 AY66
Notification Details	Tier	Upper-tier
	Activity	Production of pharmaceuticals
Dangerous Substance information	Hazard Categories / Named Substances	E1 Hazardous to the Aquatic Environment, E2 Hazardous to the Aquatic Environment, H1 Acute Toxic Cat. 1, H2 Acute Toxic Cat.2, O1 Substances or mixtures with hazard statement EUH014, O2 Substances and mixtures which in contact with water emit flammable gases, O3 Substances or mixtures with hazard statement EUH029, P2 Flammable gases, P5a Flammable Liquids, P5c Flammable Liquids, P8 Oxidising Liquids and Solids Methanol Ammonia Hydrogen Diesel
	Dangerous Characteristics / Hazard Statements	EUH014, EUH029, H220, H221, H225, H226, H260, H272, H300, H301, H310, H330, H331, H400, H410, H411
Emergency Information	How the public will be warned	The public likely to be affected will be warned by one or more on-site sirens.
	Behaviour to take in event of major accident	As we are an upper-tier establishment, we send leaflets to the persons likely to be affected, which includes this information.
	Additional Information	

Inspection	Most recent COMAH Inspection (updated quarterly):	10th June 2024
	Where more detailed information on inspection available	More detailed information about the inspection and the related inspection plan can be obtained upon request, subject to the requirements of Regulation 26, from: CCPS unit, Health & Safety Authority, Metropolitan Building, James Joyce Street, Dublin 1.
Information	Where further relevant information available	Further information about this establishment may be obtained, in the first instance, from the operator. www.thermofisher.com Subject to Regulation 26 ('Access to information and confidentiality') information may also be available from the Health and Safety Authority, on request, under the Access to Information on the Environment Regulations.

Nature of major hazards (1)	Nature of major accident	Release of dangerous substances with potential for adverse health effects.
	Potential human health effects	Airborne material that can cause burning of the eyes and, if inhaled the throat, coughing or breathing difficulties. Substantial exposure to toxic chemicals (potentially fatal).
	Potential environmental effects	Dangerous substances contaminating groundwater if containment fails.
	Scenario details	Release of ammonia gas from chiller system
	Control measures	Establishment has facilities to detect and manage releases of gases that may have harmful effects. Establishment has on-site response facilities to reduce the impact of an incident. Isolation procedures are in place to prevent or reduce the extent of an incident. All of the establishment's storage tanks, process vessels, pipework and control systems are designed and maintained to an appropriate standard to prevent major accidents. Overpressure prevention systems are in place as necessary. Ammonia detection systems are connected to the automatic fire alarm system.
	Onsite response	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
	Offsite effects/action	A publicly available external emergency plan has been drawn up by the local authority, Gardaí and HSE to respond to any consequences outside this establishment as a result of a major accident. You should cooperate with the instructions of the emergency services.

Nature of major hazards (2)	Nature of major accident	Fire and Explosion
	Potential human health effects	Potential for burns to body. Temporary exposure to smoke from a fire from which generally fit and well people are unlikely to experience long-term health problems.
	Potential environmental effects	Dangerous substances contaminating groundwater if containment fails.
	Scenario details	Large flammable solvent spill and ignition resulting in large scale solvent fire
	Control measures	All of the establishment's storage tanks, process vessels, pipe work and control systems are designed and maintained to an appropriate standard to prevent major accidents. Potential ignition sources are eliminated in accordance with the ATEX Directive to protect against the ignition of flammable material. Containment systems are in place for relevant work areas to minimise the loss of spilled material to the environment. An automatic surface water isolation valve is present on site. Automatic fire protection systems are in place.
	Onsite response	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
	Offsite effects/action	A publicly available external emergency plan has been drawn up by the local authority, Gardaí and HSE to respond to any consequences outside this establishment as a result of a major accident. You should cooperate with the instructions of the emergency services.

Nature of major hazards (3)	Nature of major accident	Fire and Explosion
	Potential human health effects	Injuries caused by projectiles being ejected from the incident site. Potential for burns to body.
	Potential environmental effects	There are no potential consequences on the environment from the major accident hazards identified.
	Scenario details	Catastrophic failure during boiler operation resulting in explosion
	Control measures	All of the establishments storage tanks, process vessels, pipework and control systems are designed and maintained to an appropriate standard to prevent major accidents. Key operating units and storage facilities are fitted with automatic shutdown and isolation systems. Establishment has facilities to detect releases of gases and has taken steps to minimise the chance that any releases are ignited. Overpressure prevention systems are in place as necessary. Automatic fire protection systems are in place.
	Onsite response	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
	Offsite effects/action	A publicly available external emergency plan has been drawn up by the local authority, Gardaí and HSE to respond to any consequences outside this establishment as a result of a major accident. You should cooperate with the instructions of the emergency services.

Nature of major hazards (4)	Nature of major accident	Fire and Explosion
	Potential human health effects	Injuries caused by projectiles being ejected from the incident site. Potential for burns to body.
	Potential environmental effects	There are no potential consequences on the environment from the major accident hazards identified.
	Scenario details	Hydrogen gas leak resulting in a hydrogen gas fire/explosion
	Control measures	All of the establishments storage tanks, process vessels, pipework and control systems are designed and maintained to an appropriate standard to prevent major accidents. Potential ignition sources are eliminated in accordance with the ATEX Directive to protect against the ignition of flammable material. Key operating units and storage facilities are fitted with automatic shutdown and isolation systems. Detectors are in place to alert staff to any loss of containment. Automatic fire protection systems are in place.
	Onsite response	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
	Offsite effects/action	A publicly available external emergency plan has been drawn up by the local authority, Gardaí and HSE to respond to any consequences outside this establishment as a result of a major accident. You should cooperate with the instructions of the emergency services.

Nature of major hazards (5)	Nature of major accident	Release of dangerous substances with potential for adverse environmental effects.
	Potential human health effects	Airborne material that can cause burning of the eyes and, if inhaled the throat, coughing or breathing difficulties.
	Potential environmental effects	Dangerous substances contaminating groundwater if containment fails.
	Scenario details	Release of Dowtherm J to ground
	Control measures	All of the establishments storage tanks, process vessels, pipework and control systems are designed and maintained to an appropriate standard to prevent major accidents. Containment systems are in place for relevant work areas to minimise the loss of spilled material to the environment. Establishment has facilities to detect and manage releases of gases that may have harmful effects. Emergency response systems & procedures are in place. Periodic Preventative Maintenance programme in place.
	Onsite response	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
	Offsite effects/action	A publicly available external emergency plan has been drawn up by the local authority, Gardaí and HSE to respond to any consequences outside this establishment as a result of a major accident. You should cooperate with the instructions of the emergency services.

Nature of major hazards (6)	Nature of major accident	Fire and Explosion
	Potential human health effects	Injuries caused by projectiles being ejected from the incident site. Potential for burns to body.
	Potential environmental effects	There are no potential consequences on the environment from the major accident hazards identified.
	Scenario details	Catastrophic failure of incinerator waste heat boiler
	Control measures	All of the establishments storage tanks, process vessels, pipework and control systems are designed and maintained to an appropriate standard to prevent major accidents. Key operating units and storage facilities are fitted with automatic shutdown and isolation systems. Overpressure prevention systems are in place as necessary. Emergency response systems & procedures are in place. Periodic Preventative Maintenance inspection programme in place.
	Onsite response	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
	Offsite effects/action	A publicly available external emergency plan has been drawn up by the local authority, Gardaí and HSE to respond to any consequences outside this establishment as a result of a major accident. You should cooperate with the instructions of the emergency services.