

Major Accident Advice

In the event of a Major Incident, information and advice messages will be issued by the emergency services.

Potential Danger to the Public

Should the event pose a potential danger to the public, the MICC will activate the Community Warning System.

Householders and responsible persons in business/community premises must ensure that all occupants are familiar with the safety advice and the action to be taken.

COMMUNITY WARNING SYSTEM

The **WARNING SYSTEM** will have a **TWO-TONE SOUND** operating continuously for 5 minutes **ON**, followed by 1 minute **OFF**. This cycle will be repeated as long as it is considered necessary.

Public announcements and additional instructions may be issued by voice over the Community Warning System.

The **ALL CLEAR** will be a **SINGLE TONE SOUND** and will last for **5 minutes**.

WHAT YOU NEED TO DO

On activation of the Community Warning System the public should:

- 1 **Immediately go indoors.**
- 2 **Shut all external doors and windows and all other means of ventilation.**
- 3 **Extinguish all naked lights.**
- 4 **If possible, go to an upper floor.**
- 5 **Tune in to local radio (Central FM 103.1 MHz, BBC Radio Scotland 92-95 MHz, Real Radio 100-101 MHz), Police Scotland Facebook and Twitter.**
- 6 **Unless you have a real need for the emergency services, DO NOT use the telephone or mobile telephones until the ALL CLEAR is sounded to ensure lines are kept free.**
- 7 **Co-operate fully with the instructions given by the emergency services.**
- 8 **Remain indoors until you hear the ALL CLEAR or until you receive instructions from the Police.**

Remember the simple rule
**GO IN, STAY IN
AND TUNE IN**

Remember those who may need assistance – be a good neighbour.

The Community Warning System is tested on a regular basis.

In addition, a full Community Warning System test is carried out at:

7.00pm on the first Wednesday in June.

2.30pm on the first Wednesday in December.

All tests will be advised by local media.

UNLESS OTHERWISE ADVISED, PLEASE TREAT ALL ALARMS AS GENUINE.

Emergency Instructions showing these actions are enclosed. Please:

- Ensure everyone in your home or work environment is familiar with it.
- Display it in a prominent place, especially in public and community premises where appropriate.
- Pass on to subsequent owners/occupiers.

If you require additional copies, please contact Falkirk Council or one of the member companies.

Additional information can be found on the following websites:

Falkirk Council
<http://www.falkirk.gov.uk/services/council-democracy/policies-strategies/emergency-planning/major-accident-hazards.aspx>

MICC
<https://miccgrangemouth.co.uk>

Health and Safety Executive
<https://notifications.hse.gov.uk/COMAH2015/Search.aspx>

The MICC partners thank you for taking the time to read this information.

Issued on behalf of the MICC partners

1. Dangerous Substances Categories

Flammable Liquids and Gases

Hazardous to the Aquatic Environment

Toxic

Oxidising Gases

Oxidising Liquids and/or Solids

Petroleum Products and Alternative Fuels

Other hazards (which fall into Category 01 - 03) see note (a) below

Other health hazards (named carcinogen)

Dangerous Substances/Mixtures that react adversely with water

Energetic Materials

Flammable Aerosols

Pyrophoric Liquids and/or Solids

Self-reactive Substances and Mixtures and Organic Peroxides

- (a) Substances which fall into Category 01 - 03 in Schedule 1 Part 1 of the COMAH Regulations 2015 -
- 01 - Substances or Mixtures with Hazard Statement EUH014 (Reacts violently with water)
 - 02 - Substances and Mixtures which in contact with water emit flammable gases (Category 1)
 - 03 - Substances or Mixtures with Hazard Statement EUH029 (Contact with water liberates toxic gas)

2. Nature of Major Accident Hazards

Fire

Ranges from an intense fire lasting several seconds to large fires lasting several minutes or hours. Potential for fire damage to people and the environment and fires may spread to other areas, a drifting cloud of flammable gas may ignite. Fires may generate smoke clouds which may lead to breathing difficulties and deposition of soot on property and vegetation.

Explosion

Levels of blast overpressure which may be harmful to humans and animals and damage buildings. Projectiles travelling at high speeds may also spread from the explosion presenting a risk to people, animals and damage buildings. Explosions may also initiate fires.

Toxic Gas or Smoke

A gas cloud or smoke plume (includes ecotoxic smoke) containing dangerous substances.

Accidental Release of a Dangerous Substance encompasses:

Liquid release - liquid flowing on-site and off-site to sewer, freshwater, estuarine waters, coastal waters, land or groundwater. Damage to people and the environment. Environmental pollution and contamination of drinking water supplies.

Release of contaminated fire water containing dangerous substances - to sewer, freshwater, estuarine waters, coastal waters, land or groundwater.

Release of extremely cold liquids.

Release of liquid oxygen.

Release of oxidising substances - flowing on-site and off-site to sewer, controlled waters or groundwater.

Release of substances causing a decrease in oxygen levels.

If you would like additional copies contact Falkirk Council or one of the member companies

Industrial Safety Plans for Grangemouth

Important Public Safety Information

Control of Major Accident Hazards Regulations 2015

Issue No. 13
January 2020

Issued on behalf of the Grangemouth Major Incident Control Committee



Control of Major Accident Hazards Regulations 2015 (COMAH)

To: All Owners and Occupiers of properties in the Grangemouth area.

Dear Sir/Madam,

This Public Safety Information Booklet has been produced by the listed site operators who have establishments subject to the Control of Major Accident Hazards Regulations 2015 (COMAH) in the Grangemouth area.

This booklet is part of a continuing process of keeping you informed as required by COMAH and its issue does not imply any increased risk to the public from the activities.

Please destroy all previous issues.

COMAH operators who process or store more than specified quantities of certain dangerous substances are required to provide public information on safety measures to people likely to be affected by a major accident occurring at their facilities. These establishments can be split into two categories; upper and lower tier 'Upper Tier' establishments are required to submit safety reports to the Health and Safety Executive and the Scottish Environment Protection Agency.

UPPER TIER OPERATORS

CalaChem Ltd
Calor Gas Ltd
Fujifilm Imaging Colorants Ltd
H W Coates Ltd
INEOS Chemicals Grangemouth Ltd
INEOS FPS
Inter Terminals Grangemouth Ltd
Petroineos Manufacturing Scotland Ltd
Syngenta Ltd
Versalis UK Ltd

LOWER TIER OPERATORS

INEOS Infrastructure (Grangemouth) Ltd
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MEMBER OPERATORS

BOC
Forth Ports Ltd

These safety reports examine the systems used by the companies to ensure their processes are operated safely at all times. They also ensure that adequate steps are taken, as far as reasonably practicable, to prevent major accidents, or in the event of such accidents, to limit the effects on people and the environment.

The Major Incident Control Committee (MICC) was established in 1968 to assist the partners in responding to a major accident.

MICC is a partnership between site operators, Falkirk Council, Police Scotland, Scottish Fire and Rescue Service, Scottish Ambulance Service, Forth Valley NHS, Scottish Water, Health and Safety Executive, Scottish Environment Protection Agency, Scottish Gas Network, Scottish Power and Scottish Government.

MICC seeks to fulfil the requirements of the COMAH regulations for emergency plans, namely:

- Containing and controlling incidents to minimise the effects and to limit damage to persons, the environment and property.
- Implementing the measures necessary to protect persons and the environment from the effects of major accidents.
- Communicating the necessary information to the public, emergency services and relevant authorities.
- Assisting with the restoration and clean up of the environment following a major accident.

Integrated emergency plans exist which aim to reduce the effects of any major accident at these establishments. The MICC partners review and exercise these plans regularly and are involved in on-going training to effectively respond to such major accidents.

Appendix: COMAH Upper Tier Site Operators Information

Establishment Details & Contact	INEOS Forties Pipeline System Limited	Calachem Ltd	Calor Gas Ltd.	Fujifilm Imaging Colorants Ltd	HW Coates Ltd.	Ineos Chemicals Grangemouth Limited	Inter Terminals	Petroineos Manufacturing Scotland Limited	Syngenta Limited	Versalis UK Ltd.
	Antonine House, Callendar Business Park Callendar Road Falkirk FK1 1XR	Earls Road Grangemouth FK3 8XG	Bo'ness Road Abbotsinch Industrial Estate Grangemouth FK3 9YL	Earls Road Grangemouth FK3 8XG	Earls Road Grangemouth FK3 8UU	Bo'ness Road Grangemouth FK3 9XH	Grange Dock Grangemouth FK3 8UD	Bo'ness Road Grangemouth FK3 9XH	Earls Road Grangemouth FK3 8XG	Bo'ness Road Grangemouth FK3 9XE
Site Activities	Petrochemical/ Oil Refineries Fuel storage/ distribution	Chemicals manufacture/ production and/or disposal Production and storage of pesticides, biocides, fungicides, herbicides Waste storage, treatment and disposal	Fuel storage/ distribution	Chemicals manufacture/ Production and/or disposal	Chemical installations - distribution / storage/ warehousing	Petrochemical/ Oil Refineries	Fuel storage/ distribution	Petrochemical/ Oil Refining	Production and storage of pesticides, biocides, fungicides, herbicides	Plastic and rubber manufacture
Dangerous Substances 1	Flammable liquids and gases Hazardous to the aquatic environment Petroleum products and alternative fuels Toxic	Dangerous substances/ mixtures that react adversely with water Flammable liquids and gases Hazardous to the aquatic environment Other hazards (which fall into Category 01 - 03) Other health hazards (named carcinogen) Oxidising gases Oxidising liquids and/or solids Petroleum products and alternative fuels Toxic	Flammable liquids and gases	Dangerous substances/ mixtures that react adversely with water Flammable liquids and gases Hazardous to the aquatic environment Other hazards (which fall into Category 01-03 in Schedule 1 Part 1 of the COMAH Regulations 2015) Oxidising liquids and/or solids Toxic	Flammable liquids and gases Hazardous to the aquatic environment Toxic	Flammable liquids and gases	Petroleum products and alternative fuels	Petroleum products and alternative fuels Flammable liquids and gases Oxidising liquids and/or solids Other hazards (which fall into Category 01-03 in Schedule 1 Part 1 of the COMAH Regulations 2015) Other health hazards (named carcinogen) Hazardous to the aquatic environment	Dangerous substances/ mixtures that react adversely with water Flammable liquids and gases Hazardous to the aquatic environment Toxic	Flammable liquids and gases Hazardous to the aquatic environment Dangerous substances/ mixtures that react adversely to water Toxic Other hazards (which fall into Category 01-03)
Nature of Major Accident Hazards 2	Fire/Explosion Flammable - gas, aerosol, liquid Gases under pressure Toxic if inhaled Toxic to aquatic life	Causes damage to organs Causes skin burns and eye damage Fire/Explosion Flammable - gas, aerosol, liquid Gases under pressure May cause an allergic skin reaction May cause cancer May cause genetic defects May cause respiratory irritation Other hazard phrase applies Reacts adversely to water Toxic if inhaled Toxic if swallowed Toxic in contact with skin Toxic to aquatic life	Fire/Explosion Flammable - gas, aerosol, liquid Gases under pressure	Causes damage to organs Causes skin burns and eye damage Fire/Explosion Reacts adversely with water Flammable - gas, aerosol, liquid May cause an allergic skin reaction May cause cancer May cause genetic defects May cause respiratory irritation Toxic if inhaled Toxic if swallowed Toxic in contact with skin Toxic to aquatic life	Fire/Explosion Flammable - gas, aerosol, liquid Toxic if inhaled Toxic to aquatic life	Fire/Explosion Flammable - gas, aerosol, liquid Toxic if inhaled Toxic to aquatic life	Flammable - gas, aerosol, liquid	Fire/Explosion Flammable - gas, aerosol, liquid Heating may cause fire/ explosion May cause cancer Toxic if inhaled Toxic to aquatic life	Causes damage to organs Causes skin burns and eye damage Fire/Explosion Flammable - gas, aerosol, liquid May cause an allergic skin reaction May cause cancer May cause genetic defects May cause respiratory irritation Reacts adversely with water Toxic if swallowed Toxic if inhaled Toxic in contact with skin Toxic to aquatic life	Fire/Explosion Flammable - gas, aerosol, liquid Reacts adversely with water Toxic if inhaled Toxic in contact with skin Toxic to aquatic life