

# What should you do if you hear the Severnside Sirens?

You Should...



**GO IN**



**STAY IN**



**TUNE IN**

February 2016 - February 2019

Major Emergency Safety Advice



## What are the Severnside Sirens?

The Severnside Sirens warn people of possible incidents involving dangerous substances around Avonmouth.

The Severnside Siren System is maintained by an independent charitable organisation, the Severnside Sirens Trust. The sirens can be heard in areas such as Portishead, Avonmouth, Shirehampton, Pilning and Severn Beach. The warning system helps to make these areas safer places to live, work and visit.

### In an emergency the following will happen:

1. The Police will trigger the Severnside Sirens from Police Headquarters in Portishead;
2. The sound of the siren will be a rising continuous note followed by a series of pulsing notes and will be sounded repeatedly while the hazard persists; and
3. The media will be kept informed and broadcasts will be made regularly.

To hear a sample of the Severnside Sirens please visit [www.bristol.gov.uk](http://www.bristol.gov.uk) and follow the links from the Crime and Emergencies page.

The sirens are tested monthly on the third day of each month at 3pm.

The monthly test includes a 3 minute "Alert" tone, 1 minute silence, and a 1 minute "All-Clear" tone.

All Clear. Wait inside until the all clear is sounded or you are given other advice. Continue to follow instructions. The all clear signal is a continuous note.

# What should you do?



GO IN.



STAY IN.



TUNE IN.

**You should follow the advice on this page if you hear the Severnside Sirens.**

## ADVICE:

1. Go indoors and stay there. Do not collect children from school as they will be properly cared for.
2. Close windows and doors.
3. Listen to your local radio. Follow any instructions you are given.
4. Put out or damp down any fires & boilers. Shut down any ventilation devices.
5. Do not leave the area unless you urgently need help or you are advised to do so.
6. Do not use telephones unless you urgently need help. This will keep phone lines free for emergency use.
7. Stay indoors until you are advised otherwise or the all clear is sounded by the Severnside Sirens.

**REMEMBER:** The Severnside Sirens are sounded for emergencies that involve dangerous substances. It is important you remain inside and wait for further instruction.

## TUNE IN:

You can find out how an incident is being dealt with and what you should be doing by listening to your local radio station.

You should tune into:

**BBC Radio Bristol:**

94.9 FM, 103.6 FM, 104.6 FM, 1548 MW, & DAB Digital Radio

**Heart:** 96.3 FM

**Star:** 107.2 FM

**Sam:** 106.5 FM



If you live or work on Severnside, you should be aware that there are industries in your area that use dangerous substances. Further information about the location and activities of these industries can be found on pages 4-8 of this leaflet.

In order to regulate the use of dangerous substances, the UK Government created the [Control of Major Accident Hazards \(COMAH\) 1999](#), and the current Amendment Regulations, [COMAH 2015](#).

The COMAH regulations apply to any establishment storing or handling large quantities of chemicals of a hazardous nature. The aim of the regulations is to prevent major accidents involving dangerous substances and to minimize the impact to people and the environment if any incidents do occur.

The regulations work on two levels depending on the amount of dangerous substances used or held in storage at a facility. The two levels of COMAH include Upper Tier sites and Lower Tier sites.

The Health and Safety Executive (HSE) and the Environment Agency regularly monitor the activities of COMAH sites on Severnside.

All sites have emergency procedures in place and are actively involved with preparing, maintaining and exercising the off-site emergency plan.



## Site Activities

AstraZeneca's Avlon Works manufactures two bulk Active Pharmaceutical Ingredients. These products are transported to other AstraZeneca locations around the world where they are converted into tablets for treatment of schizophrenia and the reduction of high levels of cholesterol.

## Hazardous Substances

Integral to AstraZeneca's operations is the use of raw materials, some of which are flammable and toxic substances.

There is extensive experience within the organisation to handle these materials, design appropriate equipment, and ensure the flammable and toxic substances are contained. The works completed over 40 years of production in 2011 and continues to be part of one of the world's leading pharmaceutical companies.

## What are the Potential Hazards?

The potential hazards are fire, loss of containment, explosion, solvent and process malfunction, which could release toxic materials into the atmosphere. All of AstraZeneca's storage tanks, process vessels, pipework and control systems are designed to prevent any such incidents. All operating units and storage facilities are fitted with fire detection systems. Higher risk operating units and storage facilities are fitted with fire protection systems

AstraZeneca takes great care to ensure that a major accident at Avlon is very unlikely. It has a detailed Corporate Safety, Health and Environment policy, operating standards, and a management system that maintains and improves performance.

Regular On-Site Sirens Test: **Thursday 10am.**

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AstraZeneca UK Ltd

Avlon Works, Severn Road, Hallen,  
South Gloucestershire BS10 7ZE

☎ 0117 938 2999



## Site Activities

The site is a distribution terminal that receives and stores petroleum products. The stored petroleum products are then loaded into road tankers for onward distribution throughout the UK.

## Hazardous Substances

The site stores products, which are extremely flammable and dangerous to the environment.

Esso fully understands the dangers of working with petroleum products and has taken every possible step to prevent a major accident hazard.

## What are the Potential Hazards?

Due to the products used at the site, the potential hazards are: Fire involving the hazardous substances; Explosion involving Petroleum Spirits; Environmental impact from smoke, or from the contamination of water and soil. Only in a worst case scenario is it possible that the effects of such events would reach the surrounding area. The site has trained personnel who, along with the emergency services, can quickly respond to any emergency call. Esso has in place an 'operations integrity management system' which focuses on recognising and eliminating hazards before they cause an accident.

Esso also recognises the potential impact on the environment when handling petroleum products. The operating procedures, practices and equipment are all designed to mitigate the possibility of major accident hazard occurring and are prepared to respond in an effective way to control a release, should it ever occur.

Regular On-Site Sirens Test: **Wednesday 10 am.**

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Esso Petroleum Company Ltd

Esso Avonmouth Terminal, St Andrews Road  
Holesmouth, Avonmouth, Bristol BS11 9BN

☎ 0117 938 6200



## Site Activities

Both sites are designed and used for the storage and distribution of Aviation Fuel, which has similar properties to domestic heating oil.

## Hazardous Substances

Integral to the sites' operations is the storage and distribution of aviation kerosene, which is flammable. There is extensive operational experience on the sites and within the company on how to handle these materials.

## What are the potential hazards?

Major hazards at the Hallen PSD site and the Redcliffe Bay PSD site are associated with the storage and movement of fuel. In the unlikely event of a major fire at the site, it is highly improbable that you will be exposed to the fire outside of the site boundary. However, a smoke plume could travel several kilometres and cause minor irritation. Therefore, it is essential that you go inside, stay inside and tune in to your local radio. There is also the small possibility of a major spill or leak, which could have implications for the surrounding environment.

There are many systems in place to ensure that the site operates correctly and safely in order that such events are prevented. The site safety record is excellent and the probability of a major accident at the site is very remote. A comprehensive Safety Management System has been established, which reduces the likelihood of such events.

Weekly On-site Siren Test at Hallen PSD: **Tuesday 10am.**

Weekly On-site Siren Test at Redcliffe Bay PSD: **Tuesday 11am.**

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### Hallen PSD

Ison Hill, Hallen, South Gloucestershire BS10 7SG

☎ 0117 950 6107

### Redcliffe Bay PSD

Down Road, Portishead, North Somerset BS20 8BL

☎ 0117 950 6107



## Site Activities

The National Grid LNG site stores natural gas. Natural gas is transferred from the national transmission system and then cooled on site in order for the gas to be stored as a liquid. At this point, the gas is now recognised as Liquefied Natural Gas (LNG), which can be stored in greater volumes. During periods of high demand, LNG is turned back into a gas and returned to the national transmission system, which supplies gas to the South West. In addition to this primary purpose the site offers an LNG Road Tanker Loading facility which provides LNG for industrial, domestic and transportation uses.

## Hazardous Substances

Liquid Natural Gas (LNG) is the main hazardous substance on site as it is extremely flammable. The site also stores small quantities of butane, propane and ethylene in liquid form, which is used for the liquefaction process.

## What are the Potential Hazards?

Since the commissioning of the LNG site in 1984, National Grid has prioritized all aspects of health and safety of the site, its employees and its neighbours.

National Grid has robust processes in place to identify and deal with potential hazards. The main hazards are centred around the use of LNG, which is an extremely flammable substance. The site has comprehensive control measures and emergency response plans in place, which are all reviewed, tested and updated on a regular basis in line with COMAH 2015 regulations.

Regular On-Site Siren Test: **Friday 11am.**

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National Grid LNG Storage  
Avonmouth LNG Facility, Severn Road,  
Hallen, South Gloucestershire BS10 7SQ  
☎ 0117 982 1201



Within the Severnside area there are also a number of Lower Tier COMAH sites. Lower Tier sites also handle dangerous substances, however, the amount they store or use is under a given threshold. The subsequent threat to people and the environment is less than the upper tier sites, however, you should be aware that these sites also have the potential to cause a major incident.

If there is an incident at a Lower Tier site you should follow the **GO IN. STAY IN. TUNE IN.** advice given for all COMAH related incidents.

### Lower Tier COMAH Sites on Severnside:

#### **Augean Treatment Ltd**

(Avonmouth)  
Smoke Lane, Avonmouth,  
Bristol, BS11 0YA.

☎ 0117 982 0303

#### **Berwick Wood PSD**

Berwick Lane,  
Hallen, Bristol,  
South Gloucestershire,  
BS10 7RS.

☎ 0117 950 6107

#### **Bristol Port Company W Shed**

St. Andrews Rd,  
Avonmouth, Bristol,  
BS11 9DQ.

☎ 0117 982 0000

#### **Valero Energy Ltd**

Holesmouth Road,  
Royal Edward Dock,  
Avonmouth,  
Bristol, BS11 9BE.

☎ 0117 923 5868

#### **Yara UK Ltd**

St Andrews Road,  
Avonmouth,  
Bristol, BS11 9HW.

☎ 0117 982 9816

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For further information about the Lower Tier COMAH Sites, please contact the sites directly or call **Bristol City Council** on **0117 922 4692** or **South Gloucestershire Council** on **0145 486 8009**.

Bristol City Council  
Civil Protection Unit  
The Create Centre  
Smeaton Road  
Bristol  
BS1 6XN

 0117 922 4692

fax 0117 922 3215

email: [emergency.planning@bristol.gov.uk](mailto:emergency.planning@bristol.gov.uk)

online: [www.bristol.gov.uk](http://www.bristol.gov.uk)

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North Somerset Council  
Emergency Management Unit  
Town Hall  
Walliscott Grove Road  
Weston Super Mare  
BS23 1UJ

 01934 426 706

fax 01934 888 831

email: [emu@n-somerset.gov.uk](mailto:emu@n-somerset.gov.uk)

online: [www.n-somerset.gov.uk/emergency](http://www.n-somerset.gov.uk/emergency)

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South Gloucestershire Council  
Emergency Planning Unit  
Civic Centre  
High Street  
Kingswood  
Bristol  
BS15 0DS

 01454 868 009

fax 01454 863 878

email: [emergencyplanning@southglos.gov.uk](mailto:emergencyplanning@southglos.gov.uk)

online: [www.southglos.gov.uk](http://www.southglos.gov.uk)



## Translations

If English is not your first language and you need a translation, we can get one for you.

### Bengali

ইংরেজী আপনার মাতৃভাষা না হলে এবং আপনার কোন অনুবাদের প্রয়োজন হলে আমরা তা প্রদান করতে সক্ষম।

### Hindi

यदि आपकी भाषा की पहली भाषा नहीं है और आप को अनुवाद की आवश्यकता है तो यह हम आप को प्रदान कर सकें हैं।

### Polish

Jżeli angielski nie jest twoim podstawowym językiem i wymagasz interpretacji, skorzystaj z naszych usług.

### Somali

Waddii Ingilisku aanu ahayn afkaaga kowaad oo dadu baahan kahey furfuraad, anaga oo kuu samayn kama.

### Vietnamese

Nếu quý vị không thạo Anh văn và cần bản dịch, chúng tôi sẽ giúp quý vị một bản.

### Kurdish

Heke inglîzî zimanê we yê yekem nîne û pêwîstiya we bi wergerê heye, em dikarin yekî ji we re bibînin.

### Chinese

如果英文不是您的第一语言，如果您需要翻译的话，我们可以为您提供。

### Kosovan

Nez anglisht nuk është gjuha tuaj amtare dhe keni nevojë për një përkthim në mënyrë të sigurtë për ju.

### Portuguese

Se o Inglês não é a sua língua materna e precisa de uma tradução, nós podemos obtê-la.

### Urdu

اگر انگریزی آپ کی پہلی زبان نہیں ہے اور آپ کو ترجمہ کی ضرورت ہے تو ہم آپ کے لئے ایک ترجمہ فراہم کر سکتے ہیں۔

### Punjabi

ਜੇਕਰ ਇੰਗਲਿਸ਼ ਤੁਹਾਡੀ ਪਹਿਲੀ ਭਾਸ਼ਾ ਨਹੀਂ ਅਤੇ ਤੁਹਾਨੂੰ ਦੁਬਾਰਾ ਇਹ ਜ਼ਰੂਰਤ ਹੈ ਤਾਂ ਤੁਹਾਡੇ ਲਈ ਅਸੀਂ ਇਸਦਾ ਪ੍ਰਾਇਡ ਕਰ ਸਕਦੇ ਹਾਂ।

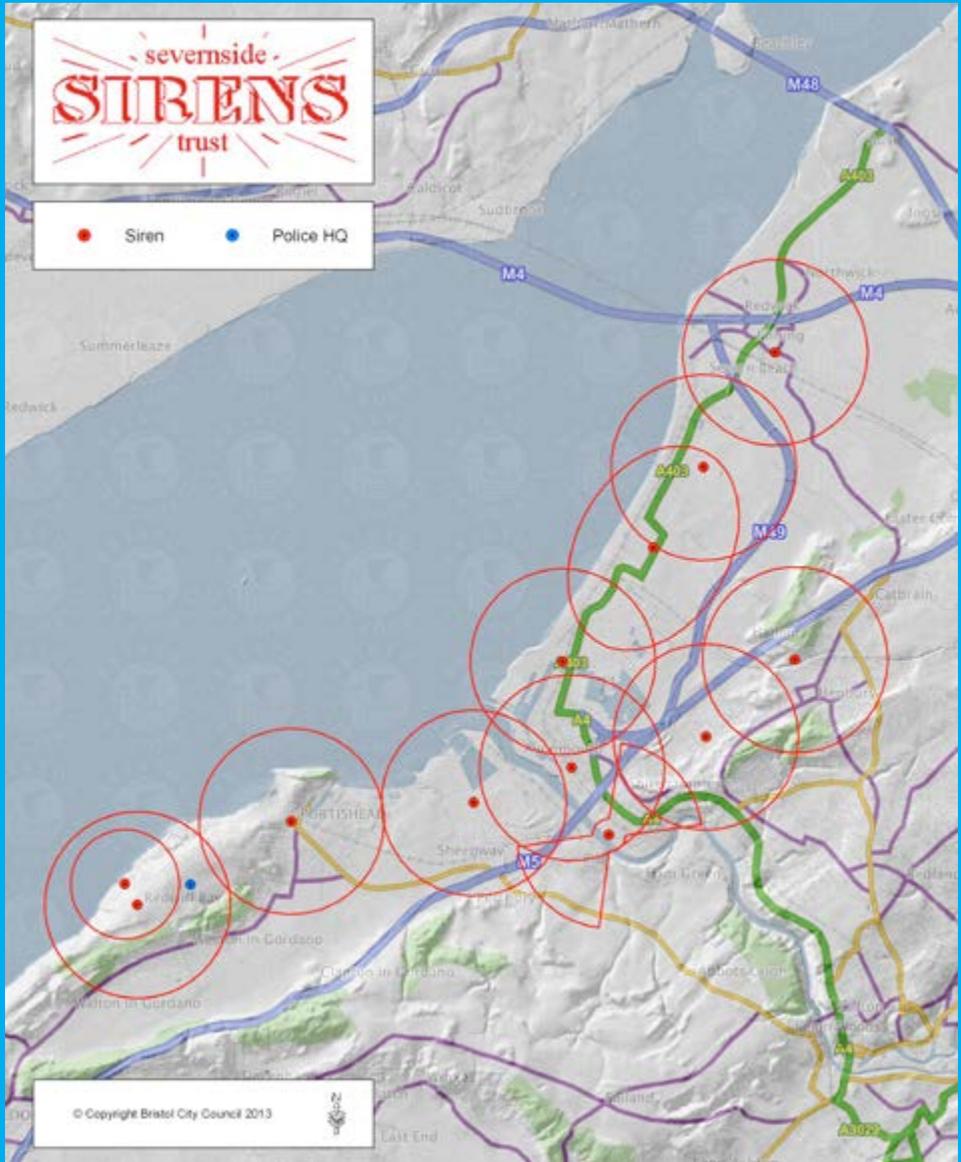
### Gujarati

જો તમારી પહેલી ભાષા અંગ્રેજી ન હોય અને તમને આમાંથી સહાય જરૂર હોય તો અમે તમને તે આપી શકીએ છીએ.

## Documents available in other formats:

If you would like this information in another language, Braille, audio tape, large print, easy English, BSL video or CD rom or plain text please contact Bristol City Council.

# Location of the Severnside Sirens



This document was produced by Bristol City Council on behalf of the following COMAH Sites: AstraZeneca UK Ltd, Augean Treatment Ltd (Avonmouth), Berwick Wood PSD, Valero Energy Ltd, Bristol Port Company - W Shed, Esso Petroleum Company Ltd, Hallen PSD, National Grid LNG, Redcliffe Bay PSD, Yara UK Ltd.