



Safety Information and Emergency Instructions for the South Hook LNG Public Information Zone (PIZ)

Our Community

Please read this
booklet and keep it in
a safe place.
Ensure the booklet
is left at the property to
which it has been posted
if you move house.

Distributed
Winter 2021





The purpose of this booklet

Safety is South Hook LNG's number one priority. Our entire operation is underpinned by the highest regard for safety – that of our staff, our visitors, our community and the environment in which we operate.

Everything we do is rigorously controlled and monitored by ourselves and by a number of statutory Regulators, including the Health & Safety Executive (HSE) and Natural Resources Wales, who jointly, make up the Competent Authority.

It is the Competent Authority that has set the South Hook LNG Public Information Zone (PIZ). This is a designated area of homes and businesses neighbouring the Terminal.

In the unlikely event that there is a major incident at the Terminal, we want those around us to be prepared. Within this booklet you will find information on how you will know an incident has occurred and what to do. You will also be able to find out more about what we do at South Hook LNG.



South Hook LNG Public Information Zone (PIZ)

South Hook's PIZ is shown in the map below. You are receiving this booklet because you live or work within our PIZ. As a matter of courtesy, we also provide this booklet to homes and businesses just outside of the PIZ – something that was agreed with local representatives of our Community Liaison Group.



Control of Major Accident Hazard (COMAH) Regulations 2015

COMAH Regulations enforced by the HSE, are in place to ensure that businesses take all necessary measures to prevent a major incident occurring.

The HSE website details information about COMAH Regulations. You can also search for specific information about establishments subject to COMAH Regulations, in your area.

Information specific to South Hook LNG can be found on the HSE Website. Such information includes the identification of major accident hazards at the Terminal, as well as the multiple mitigations that have been put in place to prevent an incident occurring. Information about the HSE's visits to South Hook LNG can also be found on the website.

www.hse.gov.uk/comah/comah-establishments.htm



About the South Hook LNG Terminal

South Hook LNG is a Liquefied Natural Gas (LNG) receiving Terminal. We receive, store and regasify LNG.

As one of the largest Liquefied Natural Gas Terminals in Europe, we have the ability to meet around 20% of the UK's daily natural gas needs and play an important role in the Country's energy security.

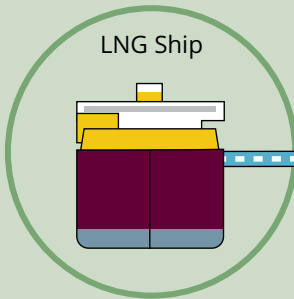
Shipped in state-of-the-art vessels, specifically designed to accommodate the low temperatures of the cargo, the LNG that arrives at our Terminal

has been cooled and liquefied to one six-hundredth of its original volume, making it much easier to transport. Storage and transportation of the LNG requires no pressurisation or refrigeration to maintain it in a liquid state.

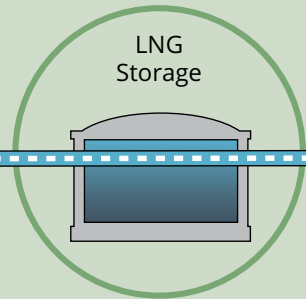
Our Terminal consists of a jetty, which allows the berthing of LNG ships, and five storage tanks, in which the LNG is stored before being gently warmed until it reverts to a natural gas and then enters the National Transmission System.

The South Hook LNG Terminal: Receiving, Storage and Regasification

Receiving and unloading

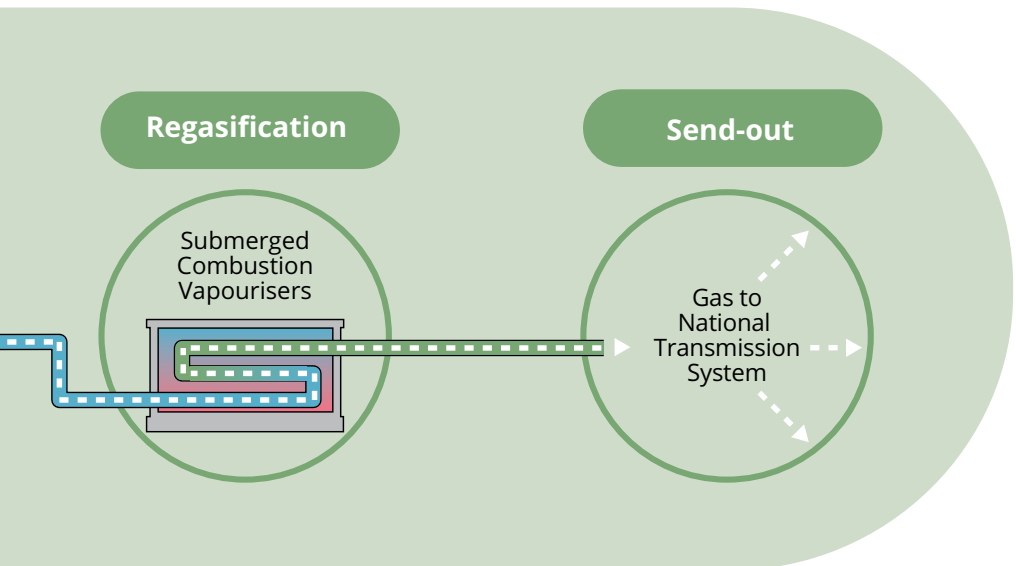


Storage



The LNG is converted back to natural gas through a process known as regasification. When natural gas is needed the LNG is passed through Submerged Combustion Vaporisers. Each Vaporiser includes a bundle of tubes housed in a bath of tepid water where the LNG is gently warmed to a point where it reverts to its gaseous state.

The natural gas is then fed into the National Transmission System (a network of gas pipelines which run throughout the UK). South Hook LNG Terminal has a total processing capacity of 15.6 million tonnes per annum, which is equivalent to around 20% of the current UK natural gas demand.



Safety at South Hook LNG

At South Hook LNG, safe operation is our highest priority. We place stringent measures upon ourselves to make sure that all our safety processes are implemented effectively. Additionally, we are also governed by a number of Regulations.

Regulations set by the HSE aim to prevent and limit the impacts of major accidents. South Hook LNG Terminal is defined by the HSE as an Upper Tier COMAH regulated site.

In order to comply with the Regulations and prevent a major incident from occurring, South Hook LNG has a number of systems in place.

These systems are reviewed regularly, to ensure we are using the best designs and include:

- LNG and liquid nitrogen storage tanks which are designed with a high degree of safety and structural integrity
- Automated safety and detection systems that are used on site used on site to monitor and control the process
- Emphasis is placed on training and working to strict management systems, including producing detailed risk assessments and mitigating the risks
- A Major Accident Prevention Policy (MAPP) and an Emergency Plan
- Detailed emergency plans which are regularly tested in conjunction with the Emergency Services and responding Agencies



Products held at South Hook LNG

LNG is a natural gas that is odourless, colourless, non-toxic and non-corrosive. In its liquid state, LNG is not explosive and cannot burn.

In the unlikely event of an incident, the major hazard associated with our site could be a release of LNG, which would vaporise to form a vapour or gas.

In the event that there was a major LNG leak, the vapour produced is flammable, resulting in an increased risk of a fire hazard, should the vapour find an ignition source.

Direct exposure to the source of an LNG leak at site, poses the risk of cold burns and possibly respiratory damage from breathing cold vapours.

Only in the most adverse of circumstances might a major incident represent a hazard to the community.



More information about the products managed at South Hook LNG, and the major incident prevention systems that the Terminal has in place, can be found on the HSE's website: www.hse.gov.uk

The Control of Major Accident Hazards (COMAH) Alarm and Quarterly Tests

In the unlikely event that a major incident occurs, the COMAH Alarm will be sounded which will be clearly heard outside the South Hook LNG site.



The COMAH Alarm has a distinctive sound **an intermittent tone**.

This specific COMAH Alarm is only sounded if there is a potential danger to our local community.

The **'All Clear'** is a **single continuous tone** and this tone will be sounded when the incident is over.

You can also hear these Alarms when they are **regularly tested** on the **first Tuesday of the quarter**:

- **January**
- **April**
- **July**
- **October**

The tests occur at 2.30pm and again at 7.30pm.

Fridge magnets detailing the dates of the COMAH Alarm test are available.

If you would like to listen to a recording of the COMAH Alarm and the 'All Clear' sound to make sure that you can recognise them, please call our special Freephone number: 0800 046 3470.

Besides playing the site sirens, the recorded message repeats the emergency instructions given in this booklet.

Please note that, with the exception of the test dates, the COMAH Alarm will only sound if there is the potential for an incident at the Terminal, to impact the community.

What you should do in an emergency

In the unlikely event that the **COMAH Alarm** sounds due to an incident, please do the following:



Go into a house or building

- Shut doors and windows
- Switch off ventilation fans, central heating and all sources of ignition, including gas and electrical heating appliances
- Block incoming draughts
- Put out naked flames
- Do not** light matches
- Do not** smoke
- Close the curtains of windows facing our site



Stay in until you are advised to do otherwise

- Wait inside until the 'All Clear' is given, or you are given other advice from the Emergency Services. Messages giving the 'All Clear' will only be issued by the Emergency Services, South Hook LNG or the local radio
- Do not leave the area. You may hinder access required by the Emergency Services
- Co-operate fully with the instructions given by the Emergency Services



Listen to the local radio

- Information and advice will be broadcasted by the Emergency Services



Radio Wales 92-104FM & 882AM
Online or on your smart speaker
via BBC Sounds



Radio Pembrokeshire
102.5 MHz & 107.5 MHz FM
DAB | Online

A magnetic card with these instructions on has also been included with this booklet. To make sure you always have these to hand, we suggest that you keep it on your fridge, or somewhere that it will be easily seen in your home.

**South Hook LNG Terminal
Emergency Instructions Card**

Control of Major Accident Hazards Regulations

Please read this information carefully and share it with your family. Please Co-operate with any instructions or requests made by South Hook LNG or the local Emergency Services during an incident.

In the unlikely event that an incident has an effect off-site, the South Hook LNG COMAH Alarm will alert you.

- The COMAH Alarm has a distinctive sound - an intermittent tone
- The All Clear is a single continuous tone which you will hear when the incident is over

The Alarm is tested quarterly, on the first Tuesday in January, April, July and October.
The test will sound at 2.30pm and again at 7.30pm

For further information: Call free on 0800 046 3470
South Hook LNG has set up a dedicated community telephone line: 01437 782012

Notification
Arrangements have been made with the local radio stations to interrupt programmes and issue emergency information to you in our local community, in the unlikely event of an incident. Local radio stations will be used to keep you fully briefed on any emergency situation through regular bulletins on air.

Please visit us @SouthHookLNG in the event of an emergency for updated information or visit our website at www.southhooklng.com

This card is magnetic for use on your fridge so you can find it quickly. If necessary, please ensure this card is left at the property to which it has been printed if you move house.

In the unlikely event of an emergency you will hear the COMAH Alarm. This has a distinct sound - an intermittent tone. If you hear this sound -

Go in... Stay in... Tune in

In the unlikely event that you hear a COMAH Alarm on the publicised test dates, please do the following:

Go in... to a house or building

- Shut doors and windows
- Switch off ventilation fans, or other sources of ignition, including heating appliances
- Block incoming draughts
- Put out naked flames
- Do not smoke
- Close the curtains of windows

Stay in... until you are advised to do otherwise

- Wait inside until you are given other advice
- Messages giving the Emergency Services the location of your radio
- Do not leave the area. You may be required by the Emergency Services
- Co-operate fully with the instructions given by the Emergency Services

Tune in... listen to the local radio

- Information and advice will be broadcasted by the Emergency Services

10-146W & 820AM
Online or on your smart speaker via BBC Sounds

102.5 MHz & 102.3 MHz FM
DAB | Online

The All Clear is a single continuous tone which you will hear when the incident is over

As a reminder...

- The **COMAH Alarm** has a distinctive sound - **an intermittent tone**
- The **All Clear** is a **single continuous tone** and **will be sounded when the incident is over**
- The **COMAH Alarm is tested quarterly on the first Tuesday in January, April, July and October.**
The tests will sound at **2.30pm and again at 7.30pm**



If the Alarm sounds outside of these dates, follow the **Go in, Stay in and Tune in** instructions

Additional information

For more information on off-site emergency plans and how a COMAH incident should be responded to, please contact Pembrokeshire Emergency Planning Unit at:

Pembrokeshire County Council

Unit 26, Thornton Business Park, Milford Haven,
Pembrokeshire SA73 2RR

Telephone: **01437 764551**

Email: **emergency.planning.unit@pembrokeshire.gov.uk**

Useful contact information

South Hook LNG has set up a dedicated community telephone line:
01437 782012

And a dedicated email address:

publicinfo@southhooklng.com

For more information about the Terminal and to view the Safety Instructions included within this booklet please visit our website:

www.southhooklng.com

Our contact address is:

South Hook LNG Terminal Company Ltd

Dale Road, Herbrandston, Milford Haven SA73 3SU

For a recording of the emergency instructions and the COMAH Alarm

Telephone Freephone: 0800 046 3470



Please visit us **@SouthHookLNG**
in the event of an emergency for updated information



or visit our website at **www.southhooklng.com**

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Ensure the booklet is left at the property
to which it has been posted if you move house**

For blind or partially sighted residents:

We are aware at South Hook LNG that some of our local residents might be unable to read the Emergency Instructions.

To help, we have set up a FREEPHONE telephone line.

Call free on **0800 046 3470** to hear a recording of the Emergency Instructions and the Alarm sound.



SOUTH HOOK
LNG TERMINAL COMPANY LTD

www.southhooklng.com