Immingham Green Energy Terminal

TR030008

Volume 5

5.2 Consultation Report Appendices

Appendix M: Ongoing Engagement

Part 1

Section (37)(3)(c) of the Planning Act 2008

Regulation 5(2)(q)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended)

September 2023

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended)

Immingham Green Energy Terminal

Development Consent Order 2023

5.2 Consultation Report Appendices

Appendix M: Ongoing Engagement

Part 1

Regulation Reference	APFP Regulation 5(2)(q)
Planning Inspectorate Case Reference	TR030008
Application Document Reference	TR030008/APP/5.2
Author	Associated British Ports Air Products BR

Version	Date	Status of Version
Revision 1	21 September 2023	DCO Application

Appendix M	**Ongoing Engagement**
M.1	Project Launch letters
M.2	Project Launch information leaflet
M.3	Project Launch website
M.4	Hazardous Substances Consent notice
M.5	Examples of general press coverage

M.1	Project Launch letters

On behalf of Associated British Ports and Air Products, I am writing to inform you that today we have launched proposals for a new project at the Port of Immingham, called the Immingham Green Energy Terminal (IGET).

As a local stakeholder close to our proposed site, we are keen to engage with you on the project at this early stage.

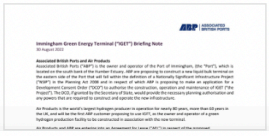
We have sent you a letter and briefing note to announce the project launch and tell you a bit more about our proposals for IGET. Please see attached an electronic copy of this letter and briefing note for reference.

If you would like to find out more about the proposals you can visit our website at imminghamget.co.uk or reach out to the project team at enquiries@imminghamget.co.uk.

We look forward to hearing from you soon.

Kind regards,
Immingham Green Energy Terminal Project Team

2 Attachments • Scanned by Gmail



On behalf of Associated British Ports (ABP) and Air Products, I am writing to inform you that today we have launched proposals for a new project at the Port of Immingham, called the Immingham Green Energy Terminal (IGET).

Given your role in the local community, we have sent you a letter and briefing note to announce the project launch and tell you a bit more about our proposals for IGET. Please see attached an electronic copy of this letter and briefing note for reference.

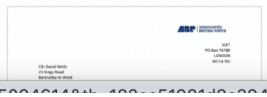
As part of pre-application engagement, both ABP and Air Products are committed to consulting key stakeholders such as yourself who may wish to learn more about our proposals in advance of Statutory Consultation later this year.

If you would like to hear more about the proposals or speak with a member of our team, please get in touch with us at enquiries@imminghamget.co.uk. You can also visit our website for more information, at imminghamget.co.uk

Kind regards,
Immingham Green Energy Terminal Project Team

2 Attachments • Scanned by Gmail

PDF Immingham Green Energy Terminal Briefing Note 30



Immingham Green Energy Terminal ("IGET") Briefing Note

30 August 2022

Associated British Ports and Air Products

Associated British Ports ("ABP") is the owner and operator of the Port of Immingham, (the "Port"), which is located on the south bank of the Humber Estuary. ABP are proposing to construct a new liquid bulk terminal on the eastern side of the Port that will fall within the definition of a Nationally Significant Infrastructure Project ("NSIP") in the Planning Act 2008 and in respect of which ABP is proposing to make an application for a Development Consent Order ("DCO") to authorise the construction, operation and maintenance of IGET ("the Project"). The DCO, if granted by the Secretary of State, would provide the necessary planning authorisation and any powers that are required to construct and operate the new infrastructure.

Air Products is the world's largest hydrogen producer in operation for nearly 80 years, more than 60 years in the UK, and will be the first ABP customer proposing to use IGET, as the owner and operator of a green hydrogen production facility to be constructed in association with the new terminal.

Air Products and ABP are entering into an Agreement for Lease ("AFL") in respect of the proposed development at the Port to facilitate the import of ammonia and its storage and processing to produce green hydrogen.

Proposed Development

The site for the Project, both for the marine infrastructure and the landside facilities, falls on the eastern side of the Port and is shown on the indicative layout plan below (Figure 1). The project would be completed in six phases, the locations of which are also shown in Figure 1.

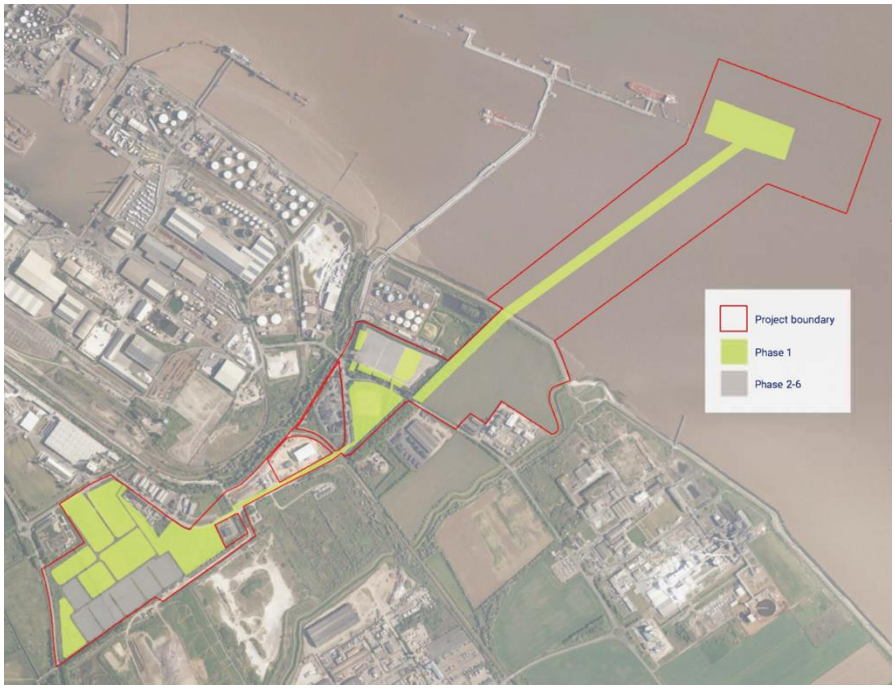


Figure 1: *Phased delivery of project components. (For illustrative purposes only)*

The proposed development site itself falls entirely within the administrative boundary of North East Lincolnshire although North Lincolnshire Council and other nearby local authorities will also be consulted in respect of the proposed application for development consent.

The Project would directly support the aims of the UK Government's British energy security strategy, through the production and delivery of green hydrogen across the UK, contributing to decarbonisation of transport and the UK's journey to net zero, helping to improve Britain's energy security and supporting the Levelling Up agenda.

In addition, the jetty infrastructure would have the ability to accommodate other future cargoes that would support the transition to net zero. For example, it could support liquefied CO_2 with potential to connect to proposed CO_2 transport infrastructure being developed close to the Port of Immingham, and provide capacity to receive future bulk products and liquefied CO_2 imports and exports to facilitate carbon capture and storage.

The Project new facility at the Port would comprise:

- on the marine side: -
    - new approach trestle and jetty infrastructure;
    - topside infrastructure on the jetty for the import and export of liquid bulks.

- on the landside: -
    - pipework and pipelines required to link the jetty and unit operations
    - refrigerated ammonia storage;
    - hydrogen production units, known as converters. They use the ammonia as feed to produce hydrogen;
    - hydrogen liquefiers to liquefy the hydrogen for temporary storage and road transport;
    - loading bays to fill the road tankers with hydrogen which would then be distributed to hydrogen filling stations throughout the UK.

ABP will endeavour to acquire land rights required for construction and operation of the Project by negotiation, including land required on a temporary basis for construction. If this is not possible, then compulsory acquisition powers will need to be included in the draft DCO.

Project Need

The Project could produce at least 150 MW (with the option to increase if there is demand) of hydrogen production capacity towards the government's UK hydrogen strategy objective of achieving 10 GW of low carbon hydrogen production capacity by 2030.

Together, ABP and Air Products aim to provide essential port infrastructure, capacity and resilience to support the growth of the energy sector within Immingham and the wider Humber Enterprise Zone (the Humber Energy Estuary). The Project responds to existing and emerging markets and customers by focusing development in and around the Port.

Air Products aims to make a significant investment in the UK to deliver green hydrogen, for which the Immingham facility is the anchor project. This new plant could facilitate production of up to 76,000 tonnes of green hydrogen a year, to be used to fuel heavy transport such as buses and HGVs. The proposals would create 1,400 new direct jobs in the North East Lincolnshire area (approximately 650 in sectors such as construction and engineering throughout the build, and a further 750 ongoing jobs in the operation and maintenance of the new Air Products facility). In addition, at least another 1,600 jobs would be created in the supply chain.

When used for the purposes intended, the manufactured hydrogen would eliminate approximately 580,000 tonnes of greenhouse gas emissions each year, the equivalent of taking 20,000 diesel HGVs off our roads.

Indicative Timeframe

The anticipated programme, which is currently in draft and subject to discussion with PINS, is summarised below:

- **Summer 2022:** Submission of Request for a Scoping Opinion
- **Autumn 2022:** Publication of Preliminary Environmental Information Report and commencement of Statutory Consultation
- **Summer 2023:** Submission of DCO application

IGET

[redacted]

[redacted]

30 August 2022

Dear [redacted]

Re: Immingham Green Energy Terminal (IGET) Proposals

I am writing to you on behalf of Associated British Ports (ABP) and Air Products regarding our intention to bring forward proposals for a new green energy project in the Port of Immingham. As a local property owner at land on the north side of Queens Road, Immingham, we would like to inform you of our proposals at this early stage.

This letter contains a summary of the proposals and a briefing note with more information about ABP and Air Products, as well as more detail about what could be delivered on the site.

Our proposals

ABP, the owner and operator of the Port of Immingham, is proposing to construct a new liquid bulk terminal on the eastern side of the Port of Immingham, within North East Lincolnshire Council boundaries. The terminal would comprise of a jetty and a green hydrogen processing facility. Air Products, the world's largest hydrogen producer, would be the first ABP customer to use the Green Energy Terminal as the owner and operator of the processing facility.

The jetty would provide a new terminal for liquid bulk goods including imported green ammonia which would then be turned into green hydrogen through the Air Products processing facility. Once the green hydrogen is produced it would be stored on site before being distributed by fuel lorries and made available to Heavy Goods Vehicles (HGVs) across the UK.

Green hydrogen helps to decarbonise transport, and this project would contribute to the UK's net zero priorities. In total, this facility could eliminate up to 580,000 tonnes of greenhouse gas emissions each year – the equivalent of taking 20,000 diesel HGVs off UK roads. Alongside this, our proposals would create 1,400 new direct jobs in the North East Lincolnshire area (approximately 650 in sectors such as construction and engineering throughout the build, and a further 750 ongoing jobs in the operation and maintenance of the new Air Products facility). In addition, at least another 1,600 jobs would be created in the supply chain. You can read more detail about the proposals in the enclosed briefing note.

The planning process and engaging with you

Due to the scale and nature of the proposals, the proposed new terminal will fall within the definition of a Nationally Significant Infrastructure Project (NSIP) in the Planning Act 2008. ABP therefore need to submit an application for a Development Consent Order (DCO) to the Planning Inspectorate to secure planning authorisation and the necessary powers required to deliver the project. The Planning Inspectorate will appoint an Examining Authority to examine the application and will make a recommendation to the Secretary of State as the final decision maker for the DCO.

Next steps

We formally submitted a request to the Planning Inspectorate for a Scoping Opinion on 30 August 2022, which marks the beginning of the formal planning process. A Scoping Opinion is a written document from the Planning Inspectorate which outlines the information we will need to provide when we draft an Environmental Statement to support an application for development consent.

You can search for our request for a Scoping Opinion on the Planning Inspectorate website at **www.acp.planninginspectorate.gov.uk** or by visiting our website at **ww.imminghamGET.co.uk**. We are now preparing to submit our Statement of Community of Consultation for feedback from Local Authorities, which outlines how we plan to engage with the community throughout Statutory Consultation in Autumn 2022.

After the consultation, we will take feedback on board, refine the designs, and aim to submit our DCO application to the Planning Inspectorate in Summer 2023.

We will be in touch with more information on how you can participate in the Statutory Consultation in the coming months, and we encourage you to keep up to date with the latest information on the project by **visiting our website at www.imminghamGET.co.uk**.

In the meantime, if you have any questions or would like to speak to someone about this project, please **email us at enquiries@imminghamget.co.uk** or call our **freephone line on 0808 175 3233**.

We believe that this is an exciting and unique opportunity to enhance North East Lincolnshire's role at the heart of the UK's Energy Estuary and look forward to engaging with the local community on the proposals over the coming months.

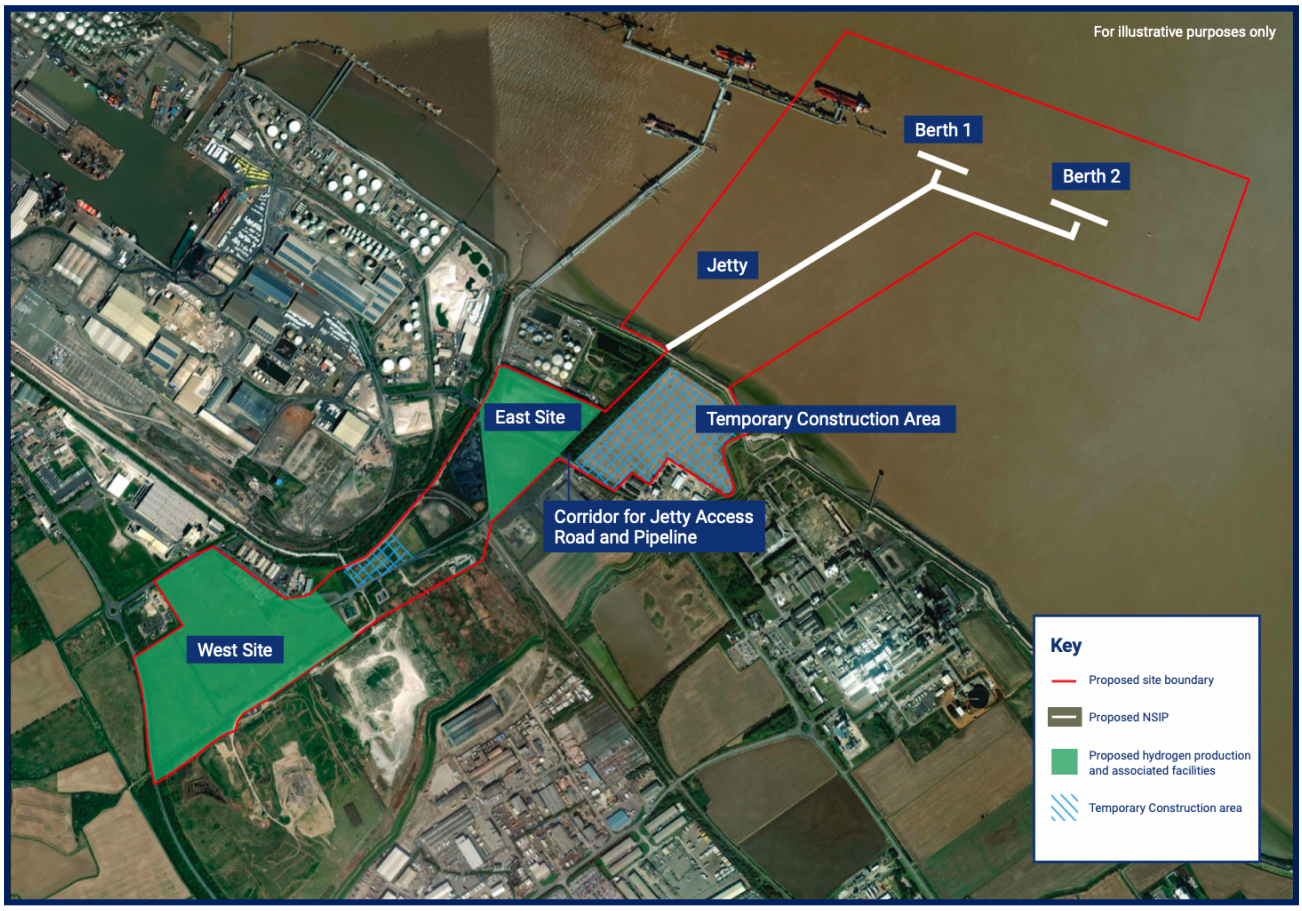
Yours sincerely,

Immingham Green Energy Terminal Project Team

M.2	Project Launch information leaflet

Have your say

Statutory Consultation Monday 9 January 2023 – Monday 20 February 2023



Indicative boundary for the proposed Immingham Green Energy Terminal (IGET) project

Introduction

Associated British Ports (ABP) are seeking to construct, operate and maintain a new multi-user liquid bulk green energy terminal located on the eastern side of the Port of Immingham.

The proposed development also includes the construction and operation of a hydrogen production facility by Air Products.

This briefing note provides an overview of the proposals and the Statutory Consultation process, which is taking place from Monday 9 January 2023 to 23:59 on Monday 20 February 2023.

This brochure contains information on the following topics:

- Overview of the IGET proposals
- Environmental Impact Assessment and the Preliminary Environmental Information Report (PEIR)
- Project Launch
- Statutory Consultation
- How to have your say
- Next Steps

The Proposals

The development proposals constitute a Nationally Significant Infrastructure Project (NSIP) and associated development, which must be authorised by a Development Consent Order.

The proposed new facility at the Port of Immingham would comprise:

On the marine side (the NSIP):

- A jetty, consisting of an approach trestle, approximately 1.1km in length, leading to up to two berths, including loading platforms and berthing and mooring dolphins with link walkways; and
- Topside infrastructure on the jetty for the handling of bulk liquids, including loading arms and pipelines.

On the land side (the Associated Development):

- An access road to the jetty;
- Two operational sites supporting hydrogen production facilities (an East Site and a West Site)
- Pipework, pipelines and utilities
  - (i) between the jetty and the green hydrogen production facility on the East Site and
  - (ii) between the two green hydrogen production facility sites and
  - (iii) between buildings and plant within the production operation facilities;
- Refrigerated ammonia storage tank (on the East Site);
- Hydrogen production units that convert ammonia to produce the green hydrogen (on both East and West Sites);
- Hydrogen liquefiers (on both East and West Sites) to liquify the hydrogen for temporary storage (on the West Site);
- Loading bays to fill road tankers with liquified hydrogen which would then be distributed to hydrogen filling stations throughout the UK (on the West Site);
- Ancillary buildings and works;
- Access from the public highway to the two hydrogen production sites; and
- Temporary construction areas.

The proposed Jetty and East Site, looking towards the Humber

Aerial view of IGET proposals (terminal)

Proposed West Site, including hydrogen processing facility

Proposed East Site, including hydrogen processing facility and temporary construction area in the foreground

Environmental Impact Assessment (EIA)

The scale of IGET means that the DCO application must be subject to an Environmental Impact Assessment in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017.

ABP is, therefore, required to assess the likely significant effects of the project on the environment. The Environmental Impact Assessment will identify any such effects likely to arise in the context of the construction and operation of both the marine and landside elements of the proposals.

ABP will be submitting an Environmental Statement as part of its application for a DCO which summarises the conclusions of the Environmental Impact Assessment.

Preliminary Environmental Information Report (PEIR)

For the purposes of the Statutory Consultation, a PEIR has been prepared.

This PEIR sets out information on the likely effects of the development on a wide range of topics that has been gathered to date, as well indicating, albeit at this preliminary stage, how we intend to manage impacts on the local communities and the natural environment both when we build IGET and when the terminal is in use.

The Statutory Consultation period is, therefore, very important for you as it is your chance to review our proposals and tell us about any issues or areas that you feel we have missed or which require additional information.

The PEIR and related consultation documents will be available to view and download from **Monday 9 January 2023 at:**

www.imminghamget.co.uk

August 2022: Project Launch

A Scoping Report for the IGET development was submitted to the Secretary of State via the Planning Inspectorate (PINS), which identified the topics which ABP proposed to include within its environmental assessment of the IGET project.

The IGET team also introduced the project to the owners and occupiers of properties and stakeholders located closest to the site through correspondence and a series of meetings held from August to December 2022.

January 2023: Statutory Consultation

Formal consultation with the local community and key stakeholders is integral to the preparation of DCO applications and to the EIA process.

This is known as the Statutory Consultation as certain requirements for it are set out in legislation. **It begins on Monday 9 January 2023 and will run until 23:59 on Monday 20 February 2023.**

The Statutory Consultation is an important part of the timeline for the project because it is ABP and Air Products' chance to share details about the proposals and your opportunity to give your views on our proposals.

Further details about how to respond to the Statutory Consultation are provided below.

Consultation Events

ABP will be holding the following in-person exhibitions at the **Immingham Civic Centre, Pelham Road, Immingham, DN40 1QF,** which you can attend to find out more about the proposals:

Burton Hall at Immingham Civic Centre:

- **Wednesday 18 January 2023, 08:00-12:00**
- **Thursday 19 January 2023, 15:30-19:30**
- **Wednesday 1 February 2023, 08:00-12:00**
- **Thursday 2 February 2023, 15:30-19:30**

Old Library Building at Immingham Civic Centre:

- **Friday 17 February 2023, 12:00-16:00**
- **Saturday 18 February 2023, 10:00-14:00**

If for whatever reason these dates or times change, those changes will be posted on

www.imminghamget.co.uk

Getting Involved

Below are details about how you can get involved with the Statutory Consultation.

- **In person public exhibitions:** you can attend these events (dates, times and venues outlined above) to view hard copies of the consultation documents and plans in person.
- **Consultation website:** all details on the proposals, the consultation activities, documents, feedback questionnaire and how to submit your comments are available on our website **www.imminghamGET.co.uk**
- **Webinar:** if there is demand, we will host a webinar so that people can engage with the proposals from home. If you would be interested in attending a webinar on these proposals, please email us at **enquiries@imminghamget.co.uk** and if there is demand we will arrange a suitable time and date for those interested.
- **Consultation documents:** all the consultation documents and materials are available to view and download online (free of charge) on the consultation website.

For those who would like hard copies, the documents and consultation materials that are on the consultation website can be made available on request. There may be a copying charge for certain documents, including the PEIR, of up to a maximum of £300. We will also be able to provide the consultation documents and materials on USB sticks for those who have access to a computer but not to the internet. You can contact us to arrange for copies of the information you require, or to discuss your information needs, by sending an email to **enquiries@ imminghamget.co.uk** or by calling Freephone **0808 175 3233.**

Hard copies of the consultation documents will also be available to view at Immingham Civic Centre, Pelham Road, Immingham, DN40 1QF (Mon-Fri, 9am-5pm) and at North East Lincolnshire Council Offices, Municipal Offices, Town Hall Sq, Grimsby DN31 1HU (Mon-Fri, 8:45am-4pm) from Monday 9 January 2023.

Have your say

A feedback questionnaire has been produced to help you provide comments on the Proposals. An online version is available on the consultation website at **www.imminghamget.co.uk**

Alternatively, you can submit your views on the IGET development to us by:

Emailing enquiries@imminghamget.co.uk

Writing to:

IGET, PO Box 76780, London WC1A 9SJ

Calling: Freephone **0808 175 3233** (Monday to Friday, 9am to 5pm) to request a hard copy feedback questionnaire and/or a pre-paid stamped addressed envelope be sent to you (free of charge) and then returning the completed questionnaire to us.

Responses & Next Steps

All responses must be received by us **in writing before 23:59 on Monday 20 February 2023.**

We will consider all responses received in this time, which will inform our application documents submitted to PINS with our DCO application.

For more information about the project or Statutory Consultation please visit **www.imminghamget.co.uk**

Timeline

October 2022: The Planning Inspectorate provided a Scoping Opinion, which commented on ABP's EIA Scoping Report and indicated which topics, in its opinion, should be assessed and which could effectively be 'scoped out.'

9 January 2023: Statutory Consultation period begins. This will run until for six weeks and will give interested parties an opportunity to learn more about the proposals and share their thoughts with the project team.

20 February 2023: Statutory Consultation period ends, and feedback will be considered.

Summer 2023: Proposed submission of the DCO application.

Winter 2023/24: Expected start of the DCO examination period.

Autumn 2024: Construction likely to commence

M.3	Project Launch website

Immingham Green Energy Terminal

Aerial image of the Port of Immingham

Associated British Ports are seeking to construct a new green energy terminal within and adjacent to the Port of Immingham. Air Products would be the first customer to use the new facility.

The development proposals will constitute a Nationally Significant Infrastructure Project (NSIP) and will be authorised by a Development Consent Order.

This website will provide further information on the proposed project as it progresses later this year, giving interested parties the opportunity to provide feedback on the proposals throughout the Statutory Consultation period.

You can download our briefing note about the project, or read the request for a Scoping Opinion we submitted to PINS by clicking on the buttons below.

IGET Briefing Note

IGET Scoping Report

About Us

The proposed Immingham Green Energy Terminal (IGET) is being brought forward by Associated British Ports. Air Products would be the first customer to use the new IGET.

Associated British Ports (ABP) is the owner and operator of the Port of Immingham.

On the Humber, ABP owns and operates four ports, namely the Port of Immingham, and the ports of Hull, Grimsby and Goole, which together constitute the largest ports complex in the UK.

Of these, Immingham Port, located on the southern bank of the Humber Estuary, is the largest and busiest of ABP's four Humber ports.

ABP is taking forward proposals to develop the IGET and will be submitting an application for a development consent order. Air Products would be the first customer to use the new facility.

You can find out more about ABP at their **website here**.

Air Products is the world's largest hydrogen supplier, and develops, builds and operates some of the world's largest industrial gas projects, employing over 20,000 staff in more than 50 countries worldwide, with over 750 production facilities.

Air Products has an established presence in the UK for over 60 years as an industrial gas provider, employing over 1,500 people.

Air Products has over 30 years' experience operating in the Humber alone, with several sites that manufacture and distribute a range of products including facilities at Saltend, Hull and in Stallingborough, a short distance from the proposed Immingham site.

Air Products would be the first customer to use the new IGET facility once built if the planning application is successful.

You can find out more about Air Products at their **website here**.

Our Proposals

The proposed new facility at the Port of Immingham would comprise:

On the marine side:

- New approach trestle and jetty infrastructure
- Topside infrastructure on the jetty for the import of liquid bulks

On the land side:

- Pipework and pipelines required to link the jetty and unit operations
- Refrigerated ammonia storage
- Hydrogen production units, known as converters. These use the green ammonia as feed to produce green hydrogen
- Hydrogen liquefiers to liquify the green hydrogen for temporary storage and road transport
- Loading bays to fill the road tankers with green hydrogen which will then be distributed to hydrogen filling stations throughout the UK

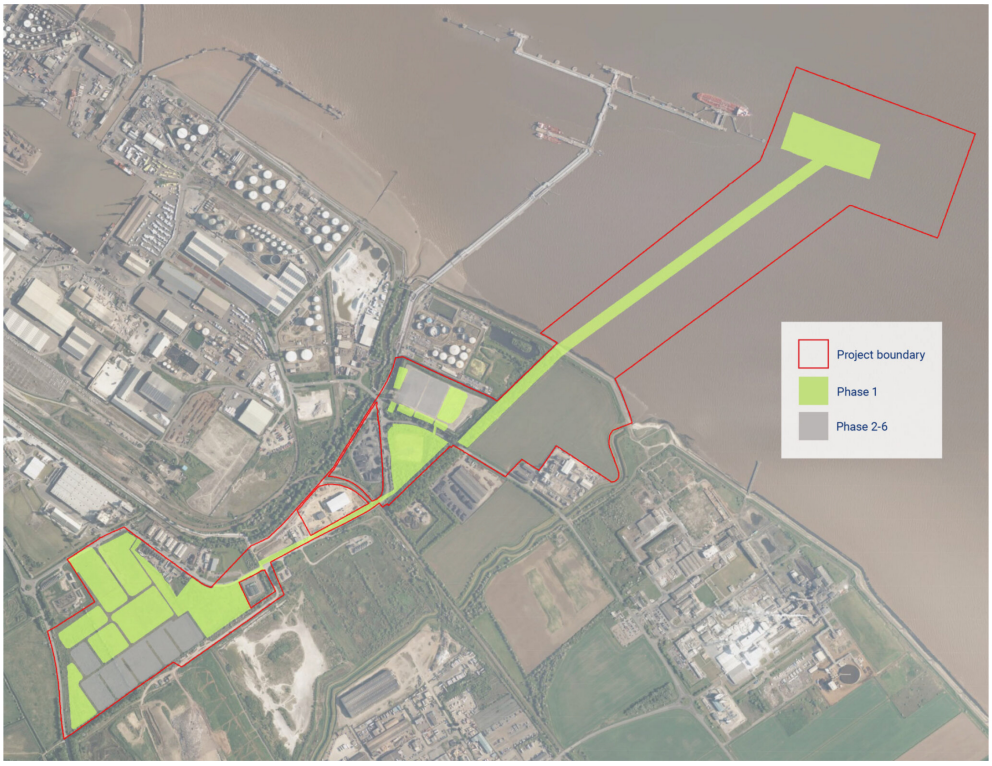
Due to the expected size and capacity, the proposed project will fall within the definition of a **Nationally Significant Infrastructure Project ("NSIP")** in the Planning Act 2008. In respect of this, ABP is proposing to make an application for a Development Consent Order ("DCO") to authorise the construction, operation and maintenance IGET of the new terminal.

As such this requires an application for development consent to be submitted to the Planning Inspectorates (PINS) who will examine the application. PINS will then make a recommendation as to whether it should be approved to the Secretary of State, who will then determine the application for development consent.

As part of this process we will be developing our proposals over the coming months and **beginning the Statutory Consultation period in the Autumn.**

To find out more about our proposals for the Immingham Green Energy Terminal (IGET), you can view our submission to the **Planning Inspectorate Website** by searching for [XX TBC XX]. Or take a look our **IGET Briefing Note** by clicking the button below.

IGET Briefing Note



Indicative image for illustrative purposes only

Documents

To find out more about our proposals for the Immingham Green Energy Terminal (IGET), you can view our submission to the **Planning Inspectorate Website** by searching for [XX TBC XX].

Or take a look our **IGET Briefing Note** by clicking the button below.

IGET Briefing Note

Read the **Scoping Report** we submitted to PINs by clicking on the button below.

IGET Scoping Report

Contact Us

If you have any questions about the proposals or would like to speak to the Project Team, you can contact us using the methods below:

Write to us at:
IGET
PO Box 76780
LONDON
WC1A 9SJ

Call us on 080 817 532 33
(Open from 9am-5pm Monday to Friday)

Email us at: enquiries@imminghamget.co.uk

Alternatively, you can fill out the contact form below:

Name

Email

Message

Submit

M.4	Hazardous Substances Consent notice

Traffic & Roads

North East Lincolnshire Borough Council (Off-Street Parking Places) Order 2022.

Notice is hereby given that on the 7 December 2022 North East Lincolnshire Council made the above Order under powers contained in the Road Traffic Regulation Act 1984 the effect of which will be as follows: -

Revoke the following Orders made by North East Lincolnshire Council and all amendments and other Orders and Regulations of whatever nature relating to off-street parking places specified in the Schedules within the area of the Council made before the introduction of this Order are hereby revoked

The North East Lincolnshire Borough Council (Off-Street Parking Places) Order 2012 the whole Order.

The North East Lincolnshire Borough Council (Off-Street Parking Places) (Amendment No.1) Order 2012 the whole Order.

The North East Lincolnshire Borough Council (Off-Street Parking Places) Order 2012 (Amendment No. 2) Order 2013 the whole Order.

Introduce North East Lincolnshire Borough Council (Off-Street Parking Places) Order 2022

The Order will come into force on the 12 December 2022.

A copy of the sealed Order, providing more detailed information including all Schedules and the Council's Statement of Reasons for making the Order are available via North East Lincolnshire Council's Website by searching 'Advertised Traffic Regulation Orders'.

The full website address is:
https://www.nelincs.gov.uk/roads-parking-transport/traffic-and-road-safety/traffic-regulation-orders/

If any person wishes to challenge the validity of the Order, or any provision contained in it, on the grounds that it is not within the powers conferred by the Act, or that any requirement of the Act or any instrument made under it has not been complied with may, within 6 weeks from the date on which the Order was made, apply for the purpose to the High Court.

Dated this 9th day of December 2022.

Sharon Wroot - Executive Director for Environment, Economy, and Resources

Municipal Offices, Town Hall Square, Great Grimsby, DN31 1HU

Statutory

The Planning (Hazardous Substances) Act 1990
The Planning (Hazardous Substances) Regulations 2015
Notice of Application for Hazardous Substances Consent / Continuation of Hazardous Substances Consent*

I give notice that AIR PRODUCTS BR Ltd is applying to the NORTH EAST LINCOLNSHIRE COUNCIL PLANNING AUTHORITY for hazardous substance / the continuation of hazardous substance consent, for the STORAGE AND/OR USE OF HAZARDOUS SUBSTANCES as defined in tables A, B,C, D and E of the application, at IMMINGHAM GREEN ENERGY TERMINAL, AIR PRODUCTS' AMMONIA STORAGE AND HYDROGEN MANUFACTURING FACILITY, atLAND WITH GRID REFERENCES IMM PORT SITE = TA 19895 14638, TRIANGLE SITE = TA 20825 15177, IE7 = TA 20890 15357.

Members of the public may inspect a copy of the application during all reasonable hours at IMMINGHAM CIVIC CENTRE, PELHAM RD, IMMINGHAM, DN40 1QF until 01/01/2023.

Anyone who wishes to make representations about this application should write to IGET at PO BOX 76780, LONDON WC1A 9SJ, or email us at: ENQUIRIES@IMMINGHAMGET.CO.UK by 05/01/23.

Signed: STEPHEN BRADLEY

*On behalf of AIR PRODUCTS BR Ltd

DATED 6th DECEMBER 2022

Immingham

Civic Centre Hub

NE Lincolnshire Council

Inspire Library

Immingham Police

Civic Centre Hub

PRIVATE PARKING

TOWN COUNCIL ONLY


40


BUREAU VERITAS
IMMINGHAM
OIL & PETROCHEMICALS
Private car park
BUREAU VERITAS
IMMINGHAM
OIL & PETROCHEMICALS
Private car park


GISZICS LTD
RANS
food forward


Bus Stop
traveline 0871 200 22 33

North East Lincolnshire - Planning

New Oxford House, George Street,
Grimsby, North East Lincolnshire, DN31 1HB
Telephone 01472 326289 option 1 for planning

Email: Planning@nelincs.gov.uk

Working in partnership

The Planning (Hazardous Substances) Act 1990 - Section 7(1)
The Planning (Hazardous Substances) Regulations 2015 (Regulation 5)

Application for Hazardous Substances Consent

1. Name and Address of Applicant

Name STEPHEN BRADLEY AIR PRODUCTS BR LTD ,	
Address: HERSHAM PLACE TECHNOLOGY PARK,	
MOLESEY ROAD,	
HERSHAM,	
WALTON-ON-THAMES,	
Post code KT12 4RZ	
Telephone No:01932 249992	Email:bradlesc@airproducts.com

Person in control of the land to which the application relates, if different to the above

Name : ASSOCIATED BRITISH PORTS (NUMBER ZC000195)	
Address: REGIONAL PROPERTY DEPARTMENT	
DOCK OFFICE	
IMMINGHAM DOCK	
Post code N40 2LZ	
Telephone No: 01472 246269	Email: pdurrant@abports.co.uk

2. Address or other location details of Application Site (including O.S. grid reference)

Land at GRID REFERENCES IMM PORT SITE = TA 19895 14638 , TRIANGLE SITE = TA 20825 15177 IE7 = TA 20890 15357		
Post code		
OS grid reference	As above	

3. Hazardous Substance(s) covered by the application

(a) List named substances falling within Part 2 of Schedule 1 to the Regulations first, then list any substances falling within the categories in Part 1 of that Schedule; finally list substances falling within the description in Part 3.

(b) Substances falling within Parts 1 or 3 of Schedule 1 to the Regulations may be listed under the relevant category or description or named specifically. Where a substance falls within Part 1 and 2 list under Part 2 only; where a substance falls within more than one category in Part 1 list under the category which has the lowest controlled quantity. Where a substance falling within Part 1 or 2 also falls within Part 3 list under the Part which has the lowest controlled quantity. The "controlled quantity" means the quantity specified for that substance in column 2 of Parts 1, 2 or 3 of Schedule 1 to the Regulations.

Note: The Planning (Hazardous Substances) (Amendment) Regulations 2015 are relevant to Q* (addition rule) for LPG, and relevant to notes about ammonium nitrate.

Table A

Name, or relevant category or description of substance	*Part number in Schedule 1 to the Regulations, and entry number if Part 2, category if Part 1, identity if Part 3*	*Do you have a current PHS consent* in respect of this substance? (Yes/No)*	*If "yes", state quantity for which consent granted*	*Maximum quantity proposed to be present in tonnes*
Hydrogen	15	No	n/a	270
Anhydrous (refrigerated) Ammonia Included in generic substances (B2, B10)	35	No		65000
Liquefied Petroleum Gas	18	No	n/a	10
Acetylene	19	No	n/a	2
Petroleum Products	34	No	n/a	30
Aqueous Ammonia	60	No	n/a	228
P2 Flammable GASES,	Category 1 or 2	No	2	2
P4 OXIDISING GASES,	Category 1	No	2	2

***** a hazardous substances consent.

4. Manner in which substance(s) are to be kept and used

For each substance, category or description of substance, covered by the application, provide the following information, referring to the substance location plan where appropriate.

"vessel" means any container designed or adapted to contain hazardous substances which is affixed to the land, and includes a container which forms part of plant or machinery which is affixed to the land but does not include a pipeline.

"Buried" or "Mounded" vessel includes a vessel which is only partially buried or partially mounded.

"moveable container" means any container designed or adapted to contain hazardous substances other than a vessel.

(a) Tick one box below to show whether the substance(s) will be present for storage only **(or)** will be stored and involved in a manufacturing, treatment or other industrial process:

Table B

Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Storage Only*	*Stored **and** involved in an industrial process*
15 Hydrogen		*x*
35 Anhydrous (Ammonia		*x*
18 Liquefied Petroleum Gas	*x*	
19 Acetylene	*x*	
34 Petroleum Products	*x*	
60 Aqueous Ammonia		*x*
P2 Flammable GASES,	*x*	
P4 OXIDISING GASES,	*x*	

(b) For each vessel to be used for **storing** the substance(s) give the following information:

Table C(i)

*Vessel No**	*Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part*	*Installed above ground † (Yes/No)*	*Buried (Yes/No)*	*Mounded (Yes/No)*	*Maximum capacity (cubic metres)*	*Highest vessel design temperature* °C	*Highest vessel design pressure (bar absolute)*
107	35 Liquid Ammonia	YES	NO	NO	95,600	AMBIENT	ATMOSPHERIC
T881a	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881b	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881c	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881d	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881e	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881f	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T881g	15 Liquid Hydrogen	YES	NO	NO	490	AMBIENT	4.5
T2191a	60 Aqueous Ammonia	Yes	NO	NO	38	65	4.5
T2191b	60 Aqueous Ammonia	YES	NO	NO	38	65	4.5
T2191c	60 Aqueous Ammonia	YES	NO	NO	38	65	4.5
T2191d	60 Aqueous Ammonia	YES	NO	NO	38	65	4.5
T2191e	60 Aqueous Ammonia	YES	NO	NO	38	65	4.5
T2191f	60 Aqueous Ammonia	YES	NO	NO	38	65	4.5
NO TAG	34 DIESEL	YES	NO	NO	34000 (30T)	AMBIENT	ATMOSPHERIC

** identify by reference to substance location plan*

† if "Yes" specify whether or not it will be provided with full secondary containment

(c) For each substance, category or description of substance, state the largest size (capacity in cubic metres) of any **Moveable** container(s) to be used for that substance, category or description of substances:

Table C(ii)

Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Storage area on site**	*Maximum capacity (cubic metres) of individual moveable containers*
15 Hydrogen	Oil and cylinder store	1
18 Liquefied Petroleum Gas	Analyser house	0.15
19 Acetylene	Oil and cylinder store	0.75
35 Anhydrous Ammonia	Analyser house	1
P2 FLAMMABLE GASES	Analyser house	1
P4 OXIDISING GASES	Analyser house	1
Hydrogen liquid tanker	Hydrogen trailer loading area, Hydrogen trailer parking area . Any road marked in yellow	25
Hydrogen Tube Trailer	As liquid tanker above	47.25

*identify by reference to substance location plan

(d) Where a substance, category or description of substance is to be used in a **manufacturing, treatment or other industrial process(es)**, give a general description of the process(es), describe the major items of plant which will contain the substance(s); and state the maximum quantity (in tonnes) which is liable to be present in the major items of the plant, and the maximum temperature (°C) and pressure (bar absolute) at which the substance, category or description of substance is liable to be present.

Table D

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity within the process (tonnes)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
35 Anhydrous Ammonia	Converting the ammonia to hydrogen and nitrogen via a high temperature catalytic process	Hydrogen production unit (x6)	<1	Ambient	46
15 Hydrogen	Processing and handling of the produced hydrogen	Hydrogen production unit (x6)	0.3	750	41
15 Hydrogen	Hydrogen cryogenic liquefier	Hydrogen liquefier x 4	0.8	30	27.6
60 aqueous	NOx control	Hydrogen	<1	65	4.5

ammonia		production unit (x6)			

* *identify by reference to substance location plan*

5. Additional Information

(a) If you have an existing PHS consent(s) as referred to in Table A, **attach a copy of each consent** to this application.

(b) **List the maps or plans** or any explanatory scale drawings of plant/buildings submitted with this application (**as a minimum submit a site map and a substance location plan –** see **Notes** below).

Drg No.	**Title**
01	Site map <1:10000 IGET_PEIR_CH02_03_Illustrative_Site_Layout_20221128
02	Substance location plan east <1:2500 Overall Plot Plan - East-East Plot - Plant North - Haz Loc - 14 Nov 22
03	Substance location plan west <1:2500 Overall Plot Plan - West Plot - Plant North - Haz Loc - 14 Nov 22
04	04 plan 04 Overall Plot Plan - West-East Plot - Plant North - Haz Loc - 14 Nov 22
05	05 plan 05 IGET_PEIR_CH22_01_Key_Receptors_20221121

(c) Provide a brief overview description of the **main activities** carried out or proposed to be carried out on the land to which the application relates.

Immingham Green hydrogen terminal will consist of three main facilities:

Offloading Jetty
A new jetty designed to service the import of liquid bulks, initially green ammonia to be used for making green hydrogen. Refrigerated liquid ammonia will be offloaded from Very Large Gas Carrier ships berthed at the jetty using loading arms and then transferred to the storage tank on the East Site via two 16” pipelines.

East Site
Refrigerated liquid ammonia received from the jetty via the pipelines is transferred to a 65,000 tonne storage tank. The tank incorporates a boil-off gas refrigeration system to re-condense ammonia which has evaporated due to ambient heat leak into the tank. Ammonia from the tank is pumped to three ‘hydrogen production unit’ plants which convert the ammonia to the component hydrogen and nitrogen

via a high temperature catalytic process. Each hydrogen production plant has the capacity to produce greater than 30 tonnes per day of gaseous hydrogen which is transferred to the west site via pipeline. Nitrogen produced by the process is vented to atmosphere.

Ammonia is also transferred from the ammonia tank to hydrogen production units on the west site via pipeline.

West Site
The west site also contains three hydrogen production unit plants of the same design as those on the east site.

Gaseous Hydrogen produced in the hydrogen production unit plants on both east and west sites is transferred to up to four hydrogen liquefier plants, each with the capacity to process greater than 30 tonnes per day of hydrogen. The liquefier plants liquefy the hydrogen via a cryogenic process. Liquid hydrogen is then transferred to eight storage 'bullets' (horizontal cryogenic storage tanks) each of capacity 31 tonnes, giving a total of 248 tonne storage capacity. Liquid hydrogen is transferred from the storage to the trailer loading facility where road tankers are filled with the liquid hydrogen product for market.

(d) Provide details of how each relevant substance is proposed to be transported to and from the land to which the application relates, for example the size and frequency of vehicle deliveries, the size or maximum flow rate of pipeline imports/exports.

Substance including Part number in Schedule 1 to the Regulations, and entry number if Part 2, category if Part 1, identity if Part 3	*How, and other details such as frequency and quantity, transported to and from the land to which the application relates*	
	Transported to site	*Transported from site*
Hydrogen liquid tanker		35 tankers/day
Hydrogen Tube Trailer		15 tube trailers per day

(e) Provide details of the vicinity of the land to which the application relates, where such details are relevant to the risks or consequences of a major accident (relevant details include numbers of people in neighbouring developments that could be affected by a major accident).

Key receptors are shown on plan 5

Infrastructure and Industrial Sites

The industrial area of Immingham contains several sites which are regulated in accordance with the COMAH Regulations (Ref 22-3). The numbering of sites [#] corresponds to the location as identified within Figure attached

[1] The Humber Refinery operated by Phillips 66 is located approximately 4 km in a westerly direction from the Project Site and processes crude oil to produce gasoline, diesel and aviation fuels as primary products.

[2] The Lindsay Oil Refinery operated by Prax Ltd is located approximately 5 km in a westerly direction from the Project Site and undertakes similar operations to the Humber Refinery.

[3] The Humber LPG Terminal and underground gas storage caverns also operated by Phillips 66 Ltd, located approximately 4 km from the Project Site in a westerly direction.

[4] Immingham Docks operated by ABP which comprises several discrete operational areas, some of which are COMAH Installations. These facilities store commodities including bulk fuels:

[4a] Immingham Oil Terminal operated by Associated Petroleum Terminals (APT), directly adjacent to the Project Site.

Exolum Immingham Limited (formerly Inter Terminals Ltd) located 1.5 km (east terminal [4b]) and 2 km (west terminal [4c]) in a westerly direction from the Project Site.

[5] Tronox Pigment UK Ltd operate a chemical manufacturing facility located approximately 1 km south-east of the Project Site.

[6] Air Products operate a facility for the manufacture and storage of industrial gases including oxygen, and nitrogen which is located approximately 1.5 km from the Project Site in an easterly direction.

[7] BOC operate a facility for Specialty gas manufacturing and storage operations, located approximately 2 km south-east of the Project Site.

[8] The South Humber Bank Power Station owned by EP UK Ltd which is a combined cycle gas turbine (CCGT) facility supplied by a high pressure gas pipeline, located approximately 2.5 km south-east of the Project Site.

[9] Synthomer Ltd operate a chemical manufacturing facility, producing substances such as adhesives and coatings. Location is approximately 2.5 km south-east the Project Site.

The major accident hazard pipelines located in the area are used to transport gas and petroleum products. These include a high pressure gas pipeline operated by National Grid located approximately 4 km from the Site, in a south-easterly direction, routed to the South Humber Bank Power Station [8]. National Grid also

operate 400 kV overhead electrical power distribution systems in the vicinity of the Site boundary.

There are no major airports located within the vicinity of the Project, the closest airport being Humberside which is located approximately 12 km in a south-westerly direction. This airport is used for short haul chartered and scheduled flights, including helicopter flights to offshore installations in the southern North Sea. The flight path for these services and other routes crosses the industrial area of Immingham and the Humber Estuary.

In addition to the major accident hazard sites and pipelines, there are critical road, rail and seaport infrastructure and is an important industrial area within the UK. The Port of Immingham [4] currently handles thousands of ship movements per year, including the import of significant quantities of liquid and gaseous fuels. The Port of Immingham is located directly adjacent to the Project, and comprises loading and offloading jetties, bulk storage tanks for hydrocarbon liquids and fertiliser storage. Subterranean caverns [3] for the storage of liquefied petroleum gas (LPG) are located approximately 3.5 km in a westerly direction from the Project.

Natural Features and Protected Environmental Sites

The Humber Estuary [10] is classified as a Special Protection Area and is a designated Ramsar Site. The estuary is directly adjacent to the Project and contains areas which are designated as Special Areas of Conservation (SAC) and Sites of Special Scientific Interest (SSSI). The wetland areas of the estuary support internationally important numbers of waterfowl in the winter, including golden plovers, and hosts the second largest colony of grey seals in the UK

The bedrock groundwater within the Site boundary is designated as a principal aquifer via the BGS and EA classification system. This designation corresponds with the most important type of groundwater which supports drinking water supplies and ecosystems.

There are no World Heritage Sites, Scheduled Monuments, Grade I and II listed buildings, conservation areas, registered parks and gardens, registered battlefields, or protected wreck sites within the 2km.

Human receptors

The closest residential receptors to the west are seven residential properties located on the west side of Queens Road.

There are several businesses also located in the Queens Road area to the North of the west site.

In addition, Mauxhall Farm off Stallingborough Road, is located approximately 1km south-west of the West Site.

Immingham is the nearest town to the Project and has a population of around

11,728, located approximately 1.5 km in a south-westerly direction. The conurbations of Grimsby (southeast) and Hull (north-west) have populations of around 86,138 and 323,000 respectively.

A large number of properties are located on the eastern extent of Immingham residential urban area including Somerton Road, Dunster Walk, Ings Lane, Oakham Walk, Kendal Road, Chestnut Avenue, Waterworks Street and Spring Street, which at the closest point are located between approximately 460m and 480m west of the West Site.

There are no other off-site sensitive receptors in vulnerable locations including hospitals, care homes and schools, of which there are a number within the town of Immingham but none closer than 3.5 km from the Site. The nearest such sensitive receptor is the Immingham Day Nursery [11]

(f) Provide a brief overview of the measures taken or proposed to be taken to limit the consequences of a major accident.

Air Products' site management implements many controls and mitigations to lower the risk of a Major Accident hazard and such procedures would be applied at this facility. These controls have been subject to competent authority inspection and intervention at other Air Products' Lower tier CoMAH sites for >10 years. Some of the key controls are outlined here:

- Defined design, construction standards which address equipment design / selection including safe design principles and safety systems, including:
- Max/min safe operating pressure, temperature, and level monitoring and alarm and interlock systems.
- Indication and control of process operating conditions
- Safety Instrumented Functions and safety lifecycle process in accordance with IEC61511
- Pressure relief including redundancy for higher consequence systems
- Vent & flare systems
- Material selection appropriate for operating and upset conditions
- Adequate separation of equipment to limit domino effects and spread of

fire

- Ammonia will be stored at atmospheric pressure and low temperature of –33 deg C because it reduces its rate of evaporation to its minimum compared to anhydrous ammonia when stored at ambient temperature and under pressure, thus mitigating the impact of potential releases.
- Plant design and plant layout to keep hazardous substances as far as is practical from off site receptors
- Passive fire protection and firewater systems.
- Secondary containment and civil design to contain and safely disperse any loss of containment of flammable or toxic liquid
- Emergency isolation systems
- Hydrogen production unit depressurisation system optimisation
- Hydrogen production unit burner management systems – fuel / air control
- Definition of hazardous area classification zones and appropriate specification of electrical equipment per DSEAR requirements
- Pressure and liquid level control
- Pressure relief systems
- Design standards and Operation Readiness Inspections (ORI):
- Preventive maintenance and test regimes:
- Pressure systems inspection, maintenance and repair
- Inspection/maintenance of equipment in areas classified under DSEAR/ATEX
- Routine plant walk-around checks for physical conditions

Management systems:

- Application of Air Products EHS management system which is used on our other UK COMAH establishments
- Operational Readiness Inspection prior to plant start up
- Regular periodic safety/EHS reviews and audits
- Pressure systems inspection, maintenance, and repair
- Routine plant walk-around checks for physical conditions
- Traffic plans with physical protection from ground vehicles
- Procedural control of plant modification (MOC and Safety Work Permit)
- Control of ignition sources
- Site security

(g) Give any further information which you consider to be relevant to the determination of this application.

An application for Development Consent Order (DCO) for the Immingham Green Energy terminal (IGET) project is currently in preparation and the scoping opinion on this project has been received from the planning inspectorate. The continued residential use of the eight residential properties located on the west side of Queens Road is unlikely to be compatible with the operation of the hydrogen production facility on the West Site It is currently anticipated that those properties are likely to need to be acquired within the IGET project The Applicant is currently in discussions with those landowners / occupiers with a view to negotiating their acquisition. Where it is not possible to acquire those properties through negotiation, acquisition powers for these properties will be sought through the DCO. The implications of the above are considered further in the Preliminary Environmental Information Report (PEIR) being prepared in connection with the proposed development and which will be subject to consultation in early 2023.
An environmental permit application for the operation of the hydrogen production facility will be prepared and submitted to the Environment Agency for determination in 2023.

I/We hereby apply for hazardous substances consent in accordance with the proposals described in the application.

[redacted]

Signed…….

on behalf of ……n/a……
(insert name of person in control of the land if different to applicant)

Date……5th December 2022…….

Notes:

"**Site map**" is a map, reproduced from, or based on, an Ordnance Survey map with a scale of not less than 1:10,000, which identifies the land to which the application relates and shows National Grid lines and reference numbers.

"**Substance location plan**" is a plan of the land to which the application relates, drawn to a scale of not less than 1:2,500, which identifies-

(a) any area of land intended to be used for the storage of the substance;
(b) where the substance is to be used in a manufacturing, treatment or other industrial process, the location of the major items of plant involved in that process in which the substance will be present; and
(c) access points to and from the land.

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Revision: 1 Drawn: AG Checked: AL Approved: CT Date: 2022-11-28

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AECOM

PROJECT

Immingham Green Energy Terminal

CLIENT

Associated British Ports

CONSULTANT

AECOM Limited
5th Floor
2 City Walk
Leeds, LS11 9AR
www.aecom.com

LEGEND

- Site Boundary
- Pipeline Corridor

NOTES

ISSUE PURPOSE

Preliminary Environmental Information Report

PROJECT NUMBER

60673509

DEVELOPMENT CONSENT ORDER NO

TBC

FIGURE TITLE

Illustrative Site Layout Plan

FIGURE NUMBER

Figure 2.3