

Submitted via email to: info@lighthousegreenfuels.co.uk

12th September 2023

Dear Sir/Madam,

Planning Act 2008 (as amended) and The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations) – Regulations 10 and 11

Application by Lighthouse Green Fuels Limited (the Applicant) for an Order granting Development Consent for the Lighthouse Green Fuels Project (the Proposed Development)

I refer to a letter dated 25th July 2023 regarding the above proposed DCO. This is a response on behalf of National Gas Transmission Plc (NGT). I understand that NGT's asset protection team initially responded to this scoping consultation and I therefore wanted to follow up on that response with further relevant guidance in the context of a proposed DCO application.

To assist your project development and design going forward, I'm issuing this information for your consideration.

NGT has feeder mains located within or in proximity to the Order limits. Details of this infrastructure is as follows:

- Feeder Main 6 - (Cowpen Bewley to Teeside) appears to cross the boundary at 2 points
X: 451427 Y: 523580 and X: 451130 Y: 523137
- Associated cathodic protection apparatus
- Ancillary apparatus

Please note that NGT has existing easements for these pipelines which provides rights for ongoing access and prevents the erection of permanent / temporary buildings/structures, change to existing ground levels or storage of materials etc within the easement strip.

You should also be aware of NGT's guidance for working in proximity to its assets, further guidance and links are available as follows.

Key Considerations:

- NGT has a Deed of Grant of Easement for each pipeline, which prevents the erection of permanent / temporary buildings, or structures, change to existing ground levels, storage of materials etc.
- Please be aware that written permission is required before any works commence within the NGT easement strip. Furthermore a Deed of Consent will be required prior to

commencement of works within NGT's easement strip subject to approval by NGT's plant protection team.

- Any large installations which may result in a large population increase in the vicinity of a high pressure gas pipeline must comply with the HSE's Land Use Planning methodology, and the HSE response should be submitted to National Gas Transmission for review
- The below guidance is not exhaustive and all works in the vicinity of NGT's asset shall be subject to review and approval from NGT's plant protection team in advance of commencement of works on site.

General Notes on Pipeline Safety:

- You should be aware of the Health and Safety Executives guidance document HS(G) 47 "Avoiding Danger from Underground Services", and NGT's Dial Before You Dig Specification for Safe Working in the Vicinity of NGT Assets. There will be additional requirements dictated by NGT's plant protection team.
- NGT will also need to ensure that its pipelines remain accessible during and after completion of the works.
- Our pipelines are normally buried to a depth cover of 1.1 metres, however actual depth and position must be confirmed on site by trial hole investigation under the supervision of a NGT representative. Ground cover above our pipelines should not be reduced or increased.
- If any excavations are planned within 3 metres of NGT High Pressure Pipeline or, within 10 metres of an AGI (Above Ground Installation), or if any embankment or dredging works are proposed then the actual position and depth of the pipeline must be established on site in the presence of a NGT representative. A safe working method agreed prior to any work taking place in order to minimise the risk of damage and ensure the final depth of cover does not affect the integrity of the pipeline.
- Below are some examples of work types that have specific restrictions when being undertaken in the vicinity of gas assets therefore consultation with NGT's Plant Protection team is essential:
 - Demolition
 - Blasting
 - Piling and boring
 - Deep mining
 - Surface mineral extraction
 - Landfilling
 - Trenchless Techniques (e.g. HDD, pipe splitting, tunnelling etc.)
 - Wind turbine installation - minimum separation distance of 1.5x the mast/hub height is required, and any auxiliary installations such as cable or track crossings will require a deed of consent.

- Solar farm installation
- Tree planting schemes

Traffic Crossings:

- Where existing roads cannot be used, construction traffic should ONLY cross the pipeline at agreed locations.
- Permanent road crossings will require a surface load calculation, and will require a deed of consent.
- The pipeline shall be protected, at the crossing points, by temporary rafts constructed at ground level. The third party shall review ground conditions, vehicle types and crossing frequencies to determine the type and construction of the raft required.
- The type of raft shall be agreed with NGT prior to installation.
- No protective measures including the installation of concrete slab protection shall be installed over or near to the NGT pipeline without the prior permission of NGT
- NGT will need to agree the material, the dimensions and method of installation of the proposed protective measure.
- The method of installation shall be confirmed through the submission of a formal written method statement from the contractor to NGT.
- An NGT representative shall monitor any works within close proximity to the pipeline to comply with NGT specification T/SP/SSW22

New Asset Crossings:

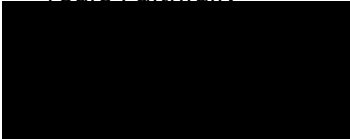
- New assets (cables/pipelines etc) may cross the pipeline at perpendicular angle to the pipeline i.e. 90 degrees.
- The separation distance for a cable >33kV is 1000mm and pre and post energisation surveys may be required at National Gas Transmission's discretion. A risk assessment/method statement will need to be provided to, and accepted by National Gas Transmission prior to the deed of consent being agreed. Where a new asset is to cross over the pipeline a clearance distance of 0.6 metres between the crown of the pipeline and underside of the service should be maintained. If this cannot be achieved the service shall cross below the pipeline with a clearance distance of 0.6 metres.
- A new service should not be laid parallel within an easement strip
- Clearance must be at least 600mm above or below the pipeline
- An NGT representative shall approve and supervise any cable crossing of a pipeline.
- A Deed of Consent is required for any cable crossing the easement

Where the promoter intends to acquire land, extinguish rights, or interfere with any of NGT apparatus, protective provisions will be required in a form acceptable to it to be included within the DCO. NGT requests to be consulted at the earliest stages to ensure that the most appropriate

protective provisions are included within the DCO application to safeguard the integrity of our apparatus and to remove the requirement for objection.

Adequate access to NGT pipelines must be maintained at all times during construction and post construction to ensure the safe operation of our network.

Yours Faithfully



Vicky Cashman
DCO Liaison Consultant

Further Safety Guidance

To download a copy of the HSE Guidance HS(G)47, please use the following link:

<https://www.hse.gov.uk/pubns/books/hsg47.htm>

Working Near National Gas Assets

<https://www.nationalgas.com/land-and-assets/working-near-our-assets>

Specification for Safe Working in the Vicinity of National Gas High Pressure Pipelines and Associated Installations

<https://www.nationalgas.com/document/82951/download>

Tree Planting Guidance

<https://www.nationalgas.com/document/82976/download>

Excavating Safely

<https://www.nationalgas.com/document/82971/download>

Dial Before You Dig Guidance

<https://www.nationalgas.com/document/128751/download>

Essential Guidance:

<https://www.nationalgas.com/gas-transmission/document/82931/download>

Solar Farm Guidance

<https://www.nationalgas.com/document/82936/download>