

From: White, Hayley <[REDACTED]>
Sent: 08 July 2022 14:48
To: Dev Control, <Dev.Control@e-lindsey.gov.uk>
Cc: [REDACTED]
Subject: GE1B_26184549 - S/079/01078/22 -LAND ADJACENT SOTBY WOODS, STURTON ROAD, HATTON
Importance: High

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FAO Case Officer: Jane Baker

Good Afternoon,

Please see attached holding objection.

National Grid operates a high-pressure gas pipeline that runs through the land parcels proposed for development.

FEEDER PIPELINES -FM 17 Goulceby to Hatton

The pipelines have 24.4m easements in operation (12.2m on either side of the pipe). No development, construction, or landscaping is permitted within the easement without formal written approval from National Grid.

There are specific criteria that must be adhered to for developing solar farms in close proximity to National Grid gas pipelines. Solar Farms can be built adjacent to pipelines but never within the easement.

Utility crossings over National Grid gas pipelines are restricted and will require 'Deeds of Consent / Indemnity'.

Should planning permission be granted, the developer is to engage with National Grid for further guidance in the early stages of design to ensure that electrical interference, security, future access and construction methods can be mutually agreed prior to undertaking any works on site.

Kind regards

Hayley White

Asset Protection Assistant
Operations Support
Gas Transmission
nationalgrid

Working Near Our Assets?

<https://www.nationalgrid.com/uk/gas-transmission/land-and-assets/working-near-our-assets>

Tel mobile: [REDACTED]

National Grid House, (Floor D2), Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

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For the registered information on the UK operating companies within the National Grid group please use the attached link: <https://www.nationalgrid.com/group/about-us/corporate-registrations>

Hayley White
Asset Protection Assistant
Compliance & Integrity
Gas Transmission
National Grid
Warwick
Direct Tel: [REDACTED]
Email: [REDACTED]

Planning Work?

Please enquire with us at
www.lsbud.co.uk

Electricity Emergency Number:
0800 40 40 90*

National Gas Emergency Number:
0800 111 999*

*Available 24 hours, 7 days/week.
Calls may be recorded and monitored.
www.nationalgrid.com

Date : 7/8/2022
Our Reference: GE1B_26184549
Your Reference: S/079/01078/22

Dear East Lindsey District Council,

Ref: LAND ADJACENT SOTBY WOODS, STURTON ROAD, HATTON

National Grid exercises its right to place a Holding Objection to the above proposal which will cross our High-Pressure Gas Pipeline – Feeder

- We would draw your attention to the Planning (Hazardous Substances) Regulations 1992, the Land Use Planning rules and PADHI (Planning Advice for Developments near Hazardous Installations) guidance published by the HSE, which may affect this development.
- To visit the Land Use Planning site, please use the link below:
<https://www.hse.gov.uk/landuseplanning/methodology.htm>
- No buildings should encroach within the Easement strip of the pipeline
- No demolition shall be allowed within 150 metres of a pipeline without an assessment of the vibration levels at the pipeline. Expert advice may need to be sought which can be arranged through National Grid.
- National Grid has a Deed of Easement for each pipeline which prevents change to existing ground levels, storage of materials. It also prevents the erection of permanent / temporary buildings, or structures. If necessary National grid will take action to legally enforce the terms of the easement.

- You should be aware of the Health and Safety Executives guidance document HS(G) 47 "Avoiding Danger from Underground Services", and National Grid's specification for Safe Working in the Vicinity of National Grid High Pressure gas pipelines and associated installations - requirements for third parties T/SP/SSW22. You should already have received a link to download a copy of T/SP/SSW/22, from our Plant protection Team, which is also available to download from our website.
- To view the SSW22 Document, please use the link below:
<https://www.nationalgrid.com/uk/gas-transmission/document/113921/download>
- A National Grid representative will be monitoring the works to comply with SSW22.
- To download a copy of the HSE Guidance HS(G)47, please use the following link:
<http://www.hse.gov.uk/pubns/books/hsg47.htm>
- National Grid will also need to ensure that our pipelines access is maintained during and after construction.
- 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 National Grid representative. Ground cover above our pipelines should not be reduced or increased.
- If any excavations are planned within 3 metres of National Grid 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 National Grid representative. A safe working method must be 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.
- Excavation works may take place unsupervised no closer than 3 metres from the pipeline once the actual depth and position has been confirmed on site under the supervision of a National Grid representative. Similarly, excavation with hand held power tools is not permitted within 1.5 metres from our apparatus and the work is undertaken with NG supervision and guidance.

Pipeline Crossings

- Where existing roads cannot be used, construction traffic should ONLY cross the pipeline at locations agreed with a National Grid engineer.
- All crossing points will be fenced on both sides with a post and wire fence and with the fence returned along the easement for a distance of 6 metres.
- The pipeline shall be protected, at the crossing points, by temporary rafts constructed at ground level. No protective measures including the installation of concrete slab protection shall be installed over or near to the National Grid pipeline without the prior permission of National Grid. National Grid 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 National Grid.
- Please be aware that written permission from National Grid is required before any works commence within the National Grid easement strip.
- A National Grid representative shall monitor any works within close proximity to the pipeline to comply with National Grid specification T/SP/SSW22.

- A Deed of Indemnity is required for any crossing of the easement including cables

Cables Crossing

- Cables may cross the pipeline at perpendicular angle to the pipeline i.e. 90 degrees.
- A National Grid representative shall supervise any cable crossing of a pipeline.
- An impact protection slab should be laid between the cable and pipeline if the cable crossing is above the pipeline.
- Where a new service 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 must cross below the pipeline with a clearance distance of 0.6 metres.

All work should be carried out in accordance with British Standards policy

- BS EN 13509:2003 - Cathodic protection measurement techniques
- BS EN 12954:2001 - Cathodic protection of buried or immersed metallic structures – General principles and application for pipelines
- BS 7361 Part 1 - Cathodic Protection Code of Practice for land and marine applications.

I have enclosed a location map to show the location of National Grid high-pressure gas pipeline(s) within the vicinity of your proposal.

Yours sincerely
Hayley White

Asset Protection Assistant

Guidance for developing solar farms near to gas distribution and transmission pipelines



Plant Protection should be your first point of contact if you want to carry out work near to gas distribution and transmission assets.

Phone: 0800 688 588

Email: plantprotection@nationalgrid.com

Address: National Grid
Plant Protection
Block 1
Brick Kiln Street
Hinckley
LE10 0NA

Website: <https://www.beforeyoudig.nationalgrid.com>

Timescales

Please be aware that we need a considerable amount of notice if you want to set up a solar-farm development. In previous cases, it has taken up to a year to allow work to start on-site. To avoid any unnecessary delays, please consider this when contacting Plant Protection.

Rights of access

You need to keep our rights of access free from construction, to make sure that we can always gain access when we need to carry out maintenance. Please check the conditions which are outlined in National Grid document T/SP/SSW/22 relating to the width of access routes and other restriction details that apply when working near to our pipelines before designing the layout of the solar panels. T/SP/SSW/22 can be downloaded from : <http://www2.nationalgrid.com/uk/Safety/library/> Select "Download" next to "Working safely in the vicinity of above 7bar pipelines".

Before work starts

In the early stages of planning and before any work starts near our assets, you need to contact Plant Protection and follow our plant protection process.

We will need to work together to identify the following:-

Information you will need to provide

- a. Information about any vehicles, plant or equipment that will need to cross the pipeline at any stage.
- b. Your proposals for routing the cables. We may be concerned about parallel cable runs that are within 50m of our pipeline.

Support you need from us and checks we must carry out

- c. Our Plant Protection team should clearly mark any rights of access to our pipeline on-site.
- d. We will need to carry out pipeline coating checks to ensure the pipe is in good condition.

Site design layout that you must keep to

- e. Vehicles, plant and equipment can only cross the pipeline at agreed locations.
- f. If any of the following need to cross our pipeline, they should be perpendicular (at 90 degrees) to the pipeline.
 - o Cables
 - o Drains
 - o Fences
 - o Boundaries
- g. Footings, panels and other equipment must not be on our rights of way.
- h. You may need to provide a deed of indemnity¹ for any cables and slabs that need to cross our pipeline.
- i. Long-term access must be agreed in order for us to be able to maintain the pipeline within the site.

¹ A deed of indemnity is an agreement that specifies the actions and consequences which would result should damage to our assets occur.

Electrical installations and pipeline cathodic protection (CP)

We apply cathodic protection² to our steel pipeline systems. Our policy and legislation is in line with the requirements of BS EN 12954 (please go to www.bsigroup.co.uk for more information).

Stray currents from electrical installations such as solar farms, wind farms, cables (AC and DC), substations and overhead lines can have an adverse effect on the CP system and its ability to protect the buried steel pipeline.

To make sure the electrical design and any cables that cross our pipeline do not reduce the effectiveness of existing cathodic protection on our steel pipeline systems, please consider the following when designing the layout of the solar panels.

- AC or DC interference in our pipeline from cables running parallel to it.
- Grounding system - earth leakage studies should take into account the effects of earth leakage and fault currents on our pipeline.
- You should arrange for CP specialists to monitor the CP system by carrying out assessments both before and after constructing the solar farm to make sure its performance has not been affected. You will have to cover the cost of the monitoring and any work that is necessary to protect the pipeline.

Contact details

For more information and to send us information before you start work, please contact our Plant Protection team.

Phone: 0800 688 588

Email: plantprotection@nationalgrid.com

Address: National Grid
Plant Protection
Block 1
Brick Kiln Street
Hinckley
LE10 0NA

Website: National Grids Electricity And Gas Location Enquiry System (EAGLES)

<https://www.beforeyoudig.nationalgrid.com>

Further information

² Cathodic protection is an electrical system applied to the pipeline to control corrosion by reducing the pipelines electrical potential. This is achieved through a variety of system designs and will differ depending on the natural and built environment conditions.

For more information about working near gas pipelines please visit our work safely library and download "Above 7bar Gas Guidance" <http://www2.nationalgrid.com/uk/Safety/library/>