
From: Jacqueline Webb (National Gas) <jackie.webb1@nationalgas.com>
Sent: 02 August 2024 12:46
To: Planning Folder New
Subject: No Objection - National Gas Transmission Enquiry Response - Job No. GW3_34062803 Your ref: 24/00600/FUL
Attachments: National Gas Transmission 34062803.pdf; No Objection - National Gas Transmission GW3_34062803.pdf; GW3_34062803.pdf; T_SP_SSW_22 4 (1).pdf

Planning Team,

Please find attached a No Objection.

Kind Regards

Jackie Webb
Asset Protection, National Gas Transmission

+44 (0)800 970 7000
+44 (0)7811 021561
Jackie.webb1@nationalgas.com



National Gas Transmission, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA
nationalgas.com | [Twitter](https://twitter.com/nationalgas) | [LinkedIn](https://www.linkedin.com/company/nationalgas)

Please consider the environment before printing this email.

From: AssetProtection-NGT@safedigs.co.uk <AssetProtection-NGT@safedigs.co.uk>
Sent: Monday, July 15, 2024 12:40 PM
To: Jacqueline Webb (National Gas) <jackie.webb1@nationalgas.com>
Cc: box.assetprotection <box.assetprotection@nationalgas.com>
Subject: National Gas Transmission Enquiry Response - Job No. GW3_34062803

[EXTERNAL EMAIL] This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe. If you suspect this email is malicious, please use the 'Report Phish'.

15/07/2024

PLEASE DO NOT REPLY TO THIS EMAIL. Please contact Box.AssetProtection@NationalGas.com with any details of the work or any queries that you may have.

Please do not commence with any works until you have received authorisation and guidance from National Gas Transmission.

LSBUD ref: 34062803
Start Date : 16/07/2024

Your ref: 24/00600/FUL For National Gas only

Dear Sir/Madam,

Thank you for your enquiry which was received on 15/07/2024 11:37.

Please refer to the attached High Risk response documentation for National Gas Transmission's response.

Gas Asset:

GAS_PIPE_FEEDER(000001027631)

If you need to contact the National Gas Transmission Asset Protection Team regarding your enquiry, please use the following details:

Email : Box.AssetProtection@NationalGas.com

Address : National Grid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

Telephone : 0800 970 7000 (available 8am - 4pm Mon - Fri)

**National Gas Transmission Transmission Emergency Number:
0800 111 999***

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

LSBUD:

If you have an enquiry relating to the use of the LSBUD website please contact:

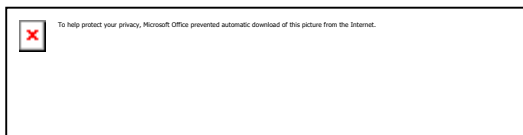
Telephone: 0345 437 7365

Email: enquiries@LSBUD.co.uk

Website: www.LSBUD.co.uk

Regards,

National Gas Transmission Asset Protection Team



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You may report the matter by contacting us via our [National Gas Transmission Contacts Page](#).

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Gas Transmission and its affiliates do not accept any liability for viruses. An e-mail reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on National Gas Transmission please use the attached link: <https://nationalgas.com/about-us/corporate-registrations>.

Our Ref: 34062803 24/00600/FUL For National Gas only

Monday, 15 July 2024

Jackie Webb
National Grid House, Gallows Hill, Warwick Technology Park
Warwick
WAR
CV34 6DA

National Gas Emergency Number:
0800 111 999*

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

Asset Protection
National Gas Transmission
National Grid House
Warwick
CV34 6DA
Email: box.assetprotection@nationalgas.com
Tel: 0800 970 7000

National Gas Transmission – High Risk Response Letter

Dear Sir/ Madam,

An assessment has been carried out with respect to National Gas Transmission plc's apparatus and the proposed work location. Based on the location entered into the system for assessment the area has been found to be within the High Risk zone from National Gas Transmission plc's apparatus and you **MUST NOT PROCEED** without further assessment from Asset Protection.

Before you go ahead with these works, you are required to send your plans and a description for to us to review them at box.assetprotection@nationalgas.com. We will contact you within 28 days of receipt.

It is **YOUR** responsibility to take into account whether you are required to or would benefit from referring to the HSE Land Use Planning App (LUP), available from HSE's website. (Please note for some works this is a requirement for them to take place) More information on the LUP is available at <https://www.hse.gov.uk/landuseplanning/>

Please note this response and any attached map(s) are valid for 28 days.

Yours sincerely

Asset Protection Team

Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking your activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near National Gas Transmission plc's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to National Gas Transmission plc (NGT)

This assessment does **NOT** include:

- National Gas Transmission's legal interest (easements or wayleaves) in the land which restricts activity in proximity to National Gas Transmission's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact Asset Protection.
- Recently installed apparatus.
- Apparatus owned by other organisations, e.g. Cadent, National Grid Electricity Transmission plc, other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities.

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to National Gas Transmission plc easements or wayleaves nor any planning or building regulations applications.

National Gas Transmission plc or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the Asset Protection team via e-mail (box.assetprotection@nationalgas.com) or via the contact details at the top of this response.

Are My Works Affected?

Is your proposal an Information Only or Planned Works Application?

Information Only

As your works are at an "Information Only" stage, any maps and guidance provided are for information purposes only. This is not approval to commence work. You must submit a "Planned Works" enquiry at the earliest opportunity and failure to do this may lead to disruption to your plans and works. Asset Protection will endeavour to provide an initial assessment within 28 days of receipt of a Planned Works enquiry and, dependent on the outcome of this, further consultation may be required. In any event, for safety and legal reasons, works must not be carried out until a Planned Works enquiry has been completed and final response received.

Planned Works

Your proposal is in proximity of National Gas Transmission plc's apparatus, as shown on the attached map, which may impact, and possibly prevent, your proposed activities for safety and/or legal reasons.

You must not commence any work until you have sent details to us at box.assetprotection@nationalgas.com and have received a response back confirming that we have no objections to the work taking place. You must read and follow all the guidance provided when planning or undertaking any activities at this location.

We will contact you within 28 working days of you providing us with the details of your work at the email address above. Please email, or call us at 0800 970 7000, if you have not had a response within this time frame.

Assessment

Affected Apparatus

The apparatus that has been identified as being in the vicinity of your proposed works is:

- National Gas Transmission Pipelines and associated equipment

Requirements

National High Pressure Gas Pipelines

BEFORE carrying out any work you must:

- Ensure that no works are undertaken in the vicinity of our gas pipelines and that no heavy plant, machinery or vehicles cross the route of the pipeline until detailed consultation has taken place.
- Carefully read these requirements including the attached guidance documents and maps showing the location of apparatus.
- Contact the landowner and ensure any proposed works in private land do not infringe National Gas Transmission's legal rights (i.e. easements or wayleaves). If the works are in the road or footpath the relevant local authority should be contacted.
- Ensure that all persons, including direct labour and contractors, working for you on or near National Gas Transmission's apparatus follow the requirements of the HSE Guidance Notes HSG47 - 'Avoiding Danger from Underground Services' This guidance can be downloaded free of charge at <http://www.hse.gov.uk>
- In line with the above guidance, verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any activities are undertaken.

DURING any work you must:

- Ensure that the National Gas Transmission requirements are followed for work in the vicinity of High pressure pipelines including the supervision of the digging of trial holes.
- Comply with all guidance relating to general activities and any specific guidance for each asset type as specified in the Guidance Section below.
- Ensure that access to National Gas Transmission apparatus is maintained at all times.
- Prevent the placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over National Gas Transmission apparatus unless specifically agreed with National Gas Transmission in advance.
- Exercise extreme caution if slab (mass) concrete is encountered during excavation works as this may be protecting or supporting National Gas Transmission apparatus.
- Maintain appropriate clearances between gas apparatus and the position of other buried plant.

GUIDANCE

National Gas Transmission Network data

The Network map for National Gas Transmission assets can be downloaded at the following link in GIS format.

www.nationalgas.com/land-and-assets/network-route-maps

High Pressure Gas Pipelines Guidance:

If working in the vicinity of a high pressure gas pipeline the following document must be followed: 'Specification for Safe Working in the Vicinity of National Gas Transmission High Pressure Gas Pipelines and Associated Installation – Requirements for Third Parties' (SSW22). This can be obtained from: <Link to SSW22 once it has been updated and signed off>

Essential Guidance document:

<https://www.nationalgas.com/sites/gas/files/documents/8589934982-Essential%20Guidance.pdf>

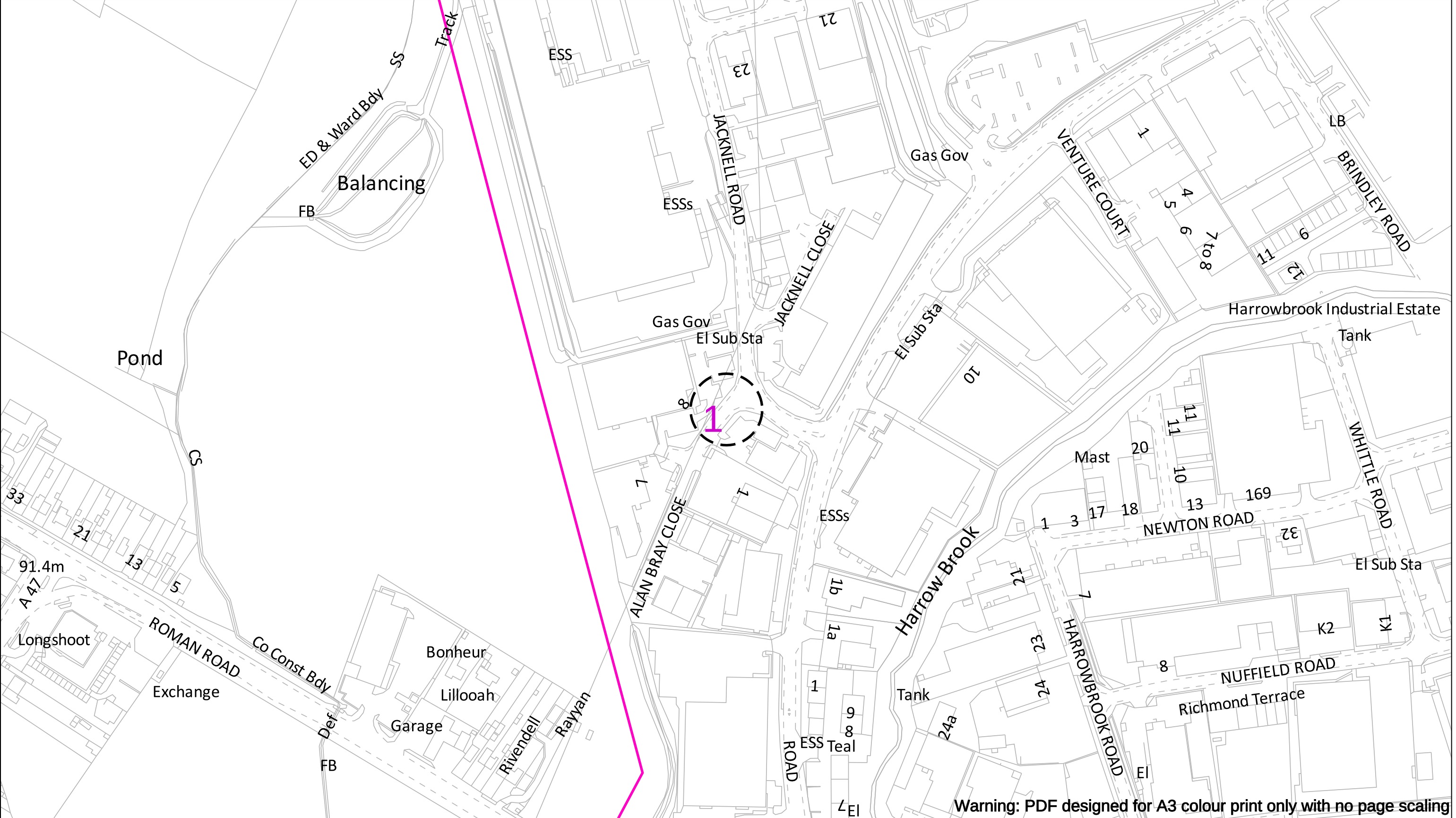
You should be aware of the following information regarding National Gas Transmission's high pressure underground pipelines and associated apparatus:

- Our underground pipelines are protected by permanent agreements with landowners or have been laid in the public highway under our licence. These grant us legal rights that enable us to achieve efficient and reliable operation, maintenance, repair and refurbishment of our gas transmission network. Hence we require that no permanent structures are built over or under pipelines or within the zone specified in the agreement, materials or soil are not stacked or stored on top of the pipeline route and that unrestricted and safe access to any of our pipeline(s) must be maintained at all times.
- The information supplied is given in good faith and only as a guide to the location of our underground pipelines. The accuracy of this information cannot be guaranteed. The physical presence of such pipelines may also be evident from pipeline marker posts. The person(s) responsible for planning, supervising and carrying out work in proximity to our pipeline(s) shall be liable to us, as pipeline(s) owner, as well as to any third party who may be affected in any way by any loss or damage resulting from their failure to locate and avoid any damage to such a pipeline(s).
- The relevant guidance in relation to working safely near to existing underground pipelines is contained within the Health and Safety Executive's (www.hse.gov.uk) Guidance HS(G)47 "Avoiding Danger From Underground Services" and all relevant site staff should make sure that they are both aware of and understand this guidance.
- Our pipelines are normally buried to a depth of 1.2 metres or more below ground and further information may be found on the plans provided. Ground cover above our pipelines should not be reduced or increased.
- Any proposed cable crossings are subject to approval from National Gas Transmission, completion of a Deed of Consent and must remain a minimum of 600mm above or below the pipeline. All works associated with cable installation must be supervised by National Gas Transmission. Cables cannot be pulled through until a Deed of Consent is in place.
- If it is planned to use mechanical excavators and any other powered mechanical plant, it shall not be sited or moved above the pipeline.
- If it is planned to carry out excavation to a depth greater than 0.3 metres, embankment or dredging works, the actual position and depth of the pipeline must be established on site with our representative

and 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.

- The digging of trial holes to locate the pipeline must be carried out under the supervision of our on-site representative following approval of RAMS. Excavation works may take place unsupervised no closer than 3 metres from the pipeline once its actual location has been confirmed. Similarly, excavation with handheld power tools may take place no closer than 1.5 metres away.
- For operational and safety reasons National Gas Transmission requires unrestricted access to our Above Ground Installations and Compressor Stations. We would request that any proposed changes to roads/layouts in the vicinity of our site have regard to the need to maintain access.
- Any construction traffic should either cross the pipeline using existing roads or at agreed crossing locations using agreed protective measures.
- Ground anchors for scaffolding stay wires should only be sited in the vicinity of the pipeline after the pipeline position has been confirmed on site with our representative and the ground anchor position agreed.
- If your proposals include the installation of wind turbines then the minimum separation between the pipeline and the nearest turbine should be 1.5 times the mast height.
- If your proposals include the installation of a Solar Farm, all assets must remain outside of the National Gas Transmission easement, all cable crossings must be agreed during the design stage, a Deed of Consent undertaken and an Earthing report must be provided for review. National Gas Transmission must retain access to its assets at all times once works have been completed.

The relocation of existing underground pipelines is not normally feasible on grounds of cost, operation and maintenance and environmental impact. Further details can be found in our specification for: safe working in the vicinity of National Gas Transmission high pressure gas pipelines and associated installations – requirements for third parties: T/SP/SSW/22 (see link above or copy enclosed)



Date Requested: 15/07/2024 Job Reference: 34062803 Site Location: 439891 293496 Requested by: Miss Jackie Webb Your Scheme/Reference: 24/00600/FUL For National Gas only Scale: 1:2500 (When plotted at A3)	IMPORTANT NOTICES This plan shows those pipes owned by National Gas Transmission PLC in its role as a licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc., are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Gas Transmission PLC or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.	National Gas Transmission Emergency Number: 0800 111 999 Available 24 hours, 7 days/week. Calls may be recorded and monitored Warning: PDF designed for colour print only with no page scaling 100m Dig Sites Area: Line: NHP Mains	National Gas Transmission National Grid House Warwick Technology Park Gallows Hill Warwick CV34 6DA box.assetprotection@nationalgas.com
Crown Copyright © - Reproduced by permission of Ordnance Survey on behalf of HMSO. And database right 2023. All rights reserved. Ordnance Survey Licence number 100024886			

ENQUIRY SUMMARY

Received Date

15/07/2024 11:37

Work Start Date

16/07/2024

Your Reference

24/00600/FUL For National Gas only

Location

Centre Point: 439891 293496

X Extent:

Y Extent:

Postcode: LE103BP

Map Options

Paper Size: A3

Orientation: LANDSCAPE

Scale: 1:2500

Real World Extents: 50m x 50m

Enquirer Details

Organisation Name: National Gas Transmission

Contact Name: Jackie Webb

Email Address: Jackie.webb1@nationalgas.com

Telephone: 07811 021561 / 07811 021561

Address: National Grid House, Gallows Hill, Warwick Technology Park, Warwick, WAR, CV34 6DA

Enquiry Type

Information Only

Activity Type

Planning Applications

Work Types

Commercial/Industrial

Notes/Works Description (if supplied)

planning@hinckley-bosworth.gov.uk Proposed extension to industrial unit and installation of solar panels

Site Contact Name (if supplied)

Jackie Webb

Site Contact Number (if supplied)

07811021561

Hinckley & Bosworth Council

Asset Protection
National Gas Transmission
National Grid House
Warwick
Direct Tel: 07811 021561
Email - jackie.webb1@nationalgas.com

Planning Work?
Please enquire with us at
www.lsbud.co.uk

National Gas Emergency Number:
0800 111 999*

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

Date: 02-08-2024

Our Reference: GW3_34062803

Your Reference: 24/00600/FUL For National Gas only

Dear Planning Team,

Ref: Site Address Not Provided

National Gas Transmission has No Objection to the above proposal which is in close proximity to a High-Pressure Gas Pipeline – Feeder 14.

I have enclosed a location map to show the location of National Gas Transmission high-pressure gas pipeline(s) within the vicinity of your proposal and associated information below.

No Objection:

National Gas Transmission will not object to the proposed extension works as illustrated on drawing 07A.

National Gas Transmission operates a high pressure pipeline FM14 in the vicinity of the proposed development/extension.

As the proposed development / extension works appear to fall outside the easement and BPD NGT will not object to the works taking place

All work must be carried out in accordance with National Gas Transmission specification T/SP/SSW/22.

Yours sincerely
Jackie Webb
Asset Protection Assistant

PLEASE READ CAREFULLY

- No buildings should *encroach within the Easement strip of the pipeline indicated above*
- 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 Gas Transmission.
- National Gas Transmission 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 Gas Transmission will take action to legally enforce the terms of the easement.
- 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>
- 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 Gas Transmission 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 Gas Transmission 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 Gas Transmission 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 Gas Transmission representative. Ground cover above our pipelines should not be reduced or increased.

- If any excavations are planned within 3 metres of National Gas Transmission 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 Gas Transmission 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 Gas Transmission 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 Gas Transmission 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 Gas Transmission pipeline without the prior permission of National Gas Transmission. National Gas Transmission 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 Gas Transmission.
- Please be aware that written permission from National Gas Transmission is required before any works commence within the National Gas Transmission easement strip.
- A National Gas Transmission representative shall monitor any works within close proximity to the pipeline to comply with National Gas Transmission 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 Gas Transmission 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

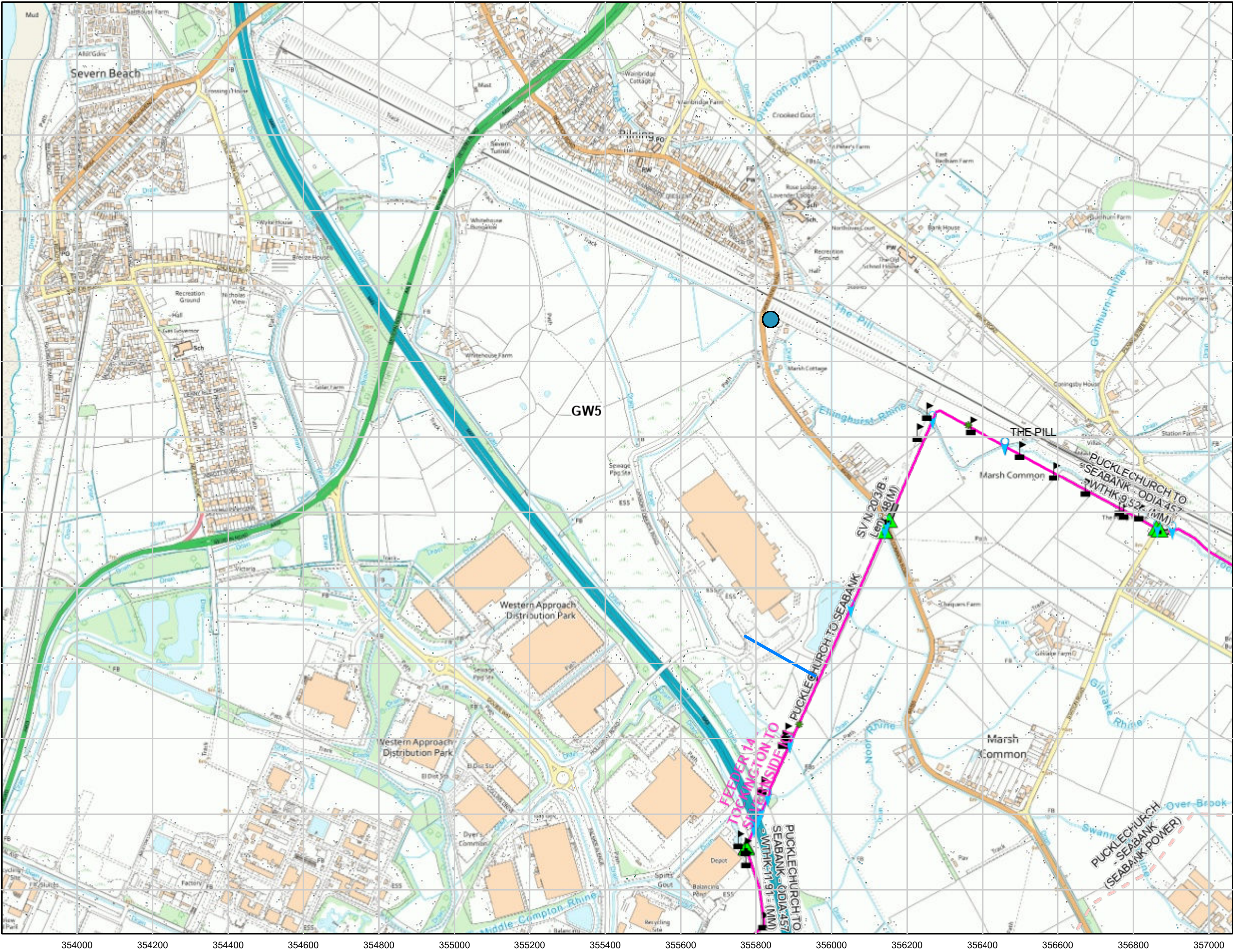
- BS EN 13509:2003 - Cathodic protection measurement techniques
- BS EN 12954:2001 - Cathodic protection of buried or immersed metallic structures – General principles and application for pipelines
- BS 7361 Part 1 - Cathodic Protection Code of Practice for land and marine applications
- National Gas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



Legend

- Override 1
- GT ASSETS
- Gas Zone
- Commissioned
- Planned and Spares
- River Crossings
- Named Pipeline
- Section
- Pipe Segment
- Other Sleeves
- Pipeline
- Crossing
- CP Test Post
- Pipe Crossing Point
- Aerial Marker Post
- Vantage Point

Notes





Specification for safe working in the vicinity of National Gas Transmission high pressure gas pipelines and associated installations - requirements for third parties



T/SP/SSW/22 March 2024

Contents

Disclaimer.....	02
Mandatory and non-mandatory requirements	02
Introduction	03
1 Scope.....	05
2 Formal consent	05
3 HS&E considerations	07
4 Pipeline locating	08
5 Slabbing and other protective measures.....	09
6 Excavation	10
7 Construction traffic	14
8 Specific activities	15
9 Backfilling	20
10 Action in the case of damage to the pipeline.....	20
11 References	21
12 Glossary of terms	21
13 Privacy notice	22
Appendix A - Site Document Control Form.....	22
Appendix B - Pipeline Location Flags	24
Contact details.....	25

Emergency telephone number:

0800 111 999*

*All calls are recorded and may be monitored

Disclaimer

This document is provided for use by third parties for safe working in the vicinity of National Gas Transmission high pressure gas pipelines and associated installations.

Where this document is used by any other party it is the responsibility of that party to ensure that this document is correctly applied.

Mandatory and non-mandatory requirements

In this document:

shall: indicates a mandatory requirement.

should: indicates best practice and is the preferred option. If an alternative method is used then a suitable and sufficient risk assessment shall be completed to show that the alternative method delivers the same, or better, level of protection.

Introduction

Specification for safe working in the vicinity of National Gas Transmission high pressure gas pipelines and associated installations – requirements for third parties.

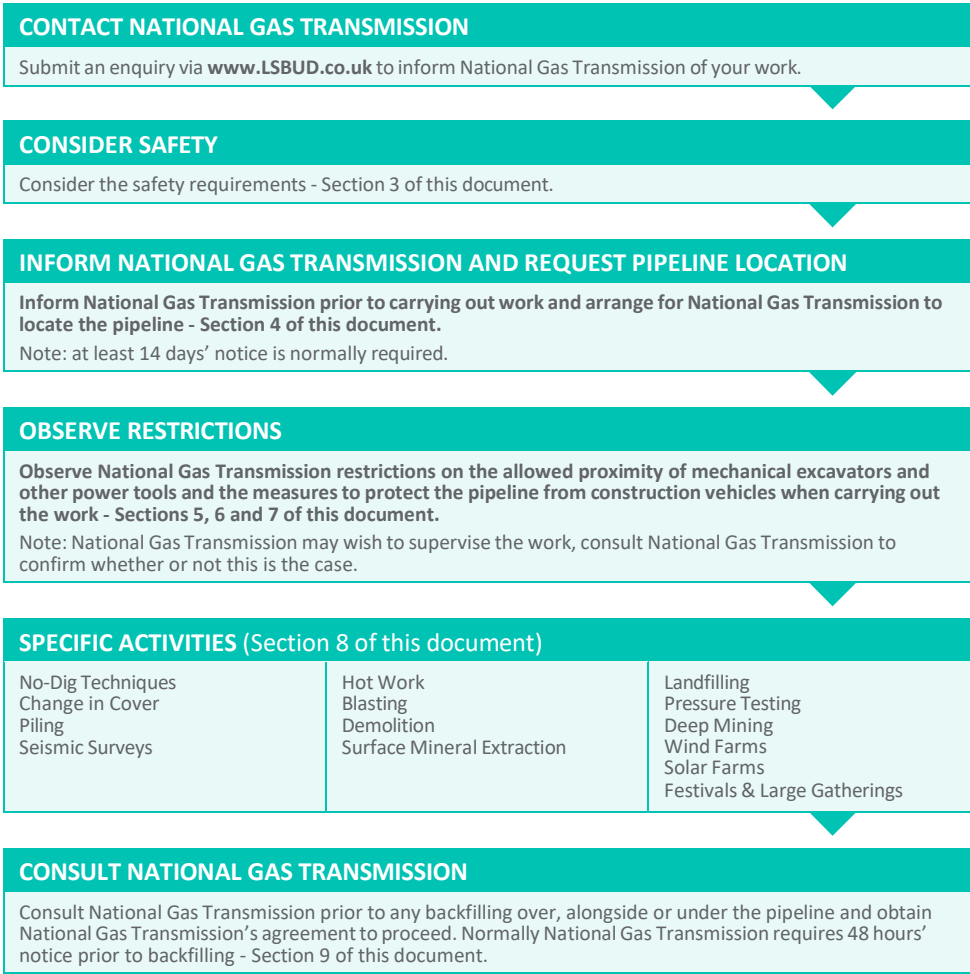
This specification is for issue to third parties carrying out work in the vicinity of National Gas Transmission high pressure gas pipelines (above 7 bar gauge) and associated installations and is provided to ensure that individuals planning and undertaking work take appropriate measures to prevent damage.

Any damage to a high pressure gas pipeline or its coating can affect its integrity and can result in failure of the pipeline with potential serious hazardous consequences for individuals located in the vicinity. It is therefore essential that the procedures outlined in this document are complied with when working near to a high pressure pipeline. If any work is considered by National Gas Transmission to be in breach of the requirements stipulated in this document, then the National Gas Transmission responsible person will suspend the work until the non-compliances have been rectified.

The Pipelines Safety Regulations state that “No person shall cause such damage to a pipeline as may give rise to a danger to persons” (Regulation 15). Failing to comply with these requirements could therefore also result in prosecution by the Health and Safety Executive (HSE).

The requirements in this document are in line with the requirements of the Institution of Gas Engineers and Managers (IGEM) recommendations IGE/SR/18 Edition 2 - Safe Working Practices to Ensure The Integrity Of Gas Pipelines And Associated Installations and the HSE’s guidance document HS(G)47 Avoiding Danger from Underground Services. It is the responsibility of the third party to ensure that any work carried out also conforms with the requirements of the Construction and Design Management Regulations and all other relevant health and safety legislation.

Always contact National Gas Transmission prior to carrying out any work in the vicinity of a high pressure pipeline.



IMPORTANT: This flowchart should be used in conjunction with the entire T/SP/SSW/22 document and not in isolation, AND if at any time during the works the pipeline is damaged even slightly then observe the precautions in Section 10 of this document.

IF IN DOUBT CONTACT NATIONAL GAS TRANSMISSION.

1 Scope

This specification sets out the safety precautions and other conditions affecting the design, construction and maintenance of services, structures and other works in the vicinity of National Gas Transmission pipelines and associated installations operating at pressures greater than 7 bar gauge, located in both negotiated easements (see Section 12) and public highways.

2 Formal consent

High pressure pipelines are generally laid across country within an easement agreed with the landowner or within the highway.

As the required arrangements for working within an easement and working within the highway differ, this document has been structured to highlight the specific requirements for these two types of area where work may be carried out.

In Scotland a 'Deed of Servitude', known generally as a 'wayleave' is considered equivalent to 'easement' in this document.

Generally, normal agricultural activities are not considered to affect the integrity of the pipeline, however, consult National Gas Transmission prior to undertaking deep cultivation in excess of 0.5 m.

In all other cases no work shall be undertaken in the vicinity of the pipeline without the formal written consent of National Gas Transmission.

Any documents handed to contractors, or other individuals undertaking work (e.g. farmer, local authority etc.) on site by National Gas Transmission, shall be signed for by the site manager. National Gas Transmission will record a list of these documents using the form in Appendix A, and the contractor or other individuals undertaking work should maintain a duplicate list.

2.1 Within an easement

The promoter of any works (see Section 12) within an easement shall provide National Gas Transmission with details of the proposed works including a method statement of how the work is intended to be carried out. Preliminary investigations such as trial holes, cathodic protection, and coating surveys may be required to assess the feasibility of the work.

If the work involves installing new adopted assets in National Gas Transmission's pipeline easement, formal written consent will be required in the form of a deed of indemnity. Work shall not proceed until formal written consent has been given by National Gas Transmission.

This will include details of National Gas Transmission's protection requirements, contact telephone numbers and the emergency telephone number.

Note: the completion time for a deed of indemnity is a minimum of 6 months and this must be considered during the planning stage of a project.

Any costs incurred by National Gas Transmission as a result of the project are to be accepted by the promoter and are to be recovered on the completion of the work.

On acceptance of National Gas Transmission's requirements, the promoter of the works shall give National Gas Transmission 14 days' notice, or shorter only if agreed with National Gas Transmission, before commencing work on site.

2.2 Within the highway

Work shall be notified to National Gas Transmission in accordance with the requirements of The New Roads and Street Works Act (NRSWA) and HS(G)47.

The promoter of any works within the highway should provide National Gas Transmission with details of the proposed works including a method statement of how the work is intended to be carried out. This should be submitted 14 days before the planned work is to be carried out, or shorter only if agreed with National Gas Transmission. If similar works are being carried out at a number of locations in close proximity a single method statement should be adequate.

Work should not go ahead until formal written consent has been given by National Gas Transmission. This will include details of National Gas Transmission's protection requirements, contact telephone numbers and the emergency telephone number.

3 HS&E considerations

3.1 Safe control of operations

All working practices shall be agreed by National Gas Transmission prior to work commencing. All personnel working on site shall be made aware of the potential hazard of the pipeline and the actions they should follow in case of an emergency. The Site Document Control Form (Appendix A) should be used to record the list of relevant documents that have been provided by National Gas Transmission to persons undertaking work at the site.

3.2 Deep excavations

Special consideration should be given to the hazards associated with deep excavations. The HSE document CIS08 'Safety in Excavations' provides further guidance and is available on the HSE website www.hse.gov.uk

3.3 Positioning of plant

Mechanical excavators and any other powered mechanical plant shall not be sited or moved above the pipeline unless written authority has been given by the National Gas Transmission responsible person.

Mechanical excavators and any other powered mechanical plant shall not dig on one side of the pipeline with the cab of the excavator positioned on the other side.

Mechanical excavators, any other powered mechanical plant, and other traffic shall be positioned far enough away from the pipeline trench to prevent trench wall collapse.

3.4 General

Works in the vicinity of high pressure pipelines may have an impact on the safety of the general public, site workers, National Gas Transmission staff and contractors, and may affect the local environment. Anyone (e.g. contractors, site workers, farmers, local authorities etc.) working close to the pipeline shall carry out suitable and adequate risk assessments prior to the commencement of work to ensure that all such issues are properly considered, and risks mitigated.

4 Pipeline locating

Where formal consent to work has been given, the third party should give 14 working days' notice, or shorter, if agreed with National Gas Transmission, to ensure that the pipeline is suitably located and marked out by a National Gas Transmission representative prior to the work commencing.

Before commencing work on site, the pipeline shall be located and pegged or suitably marked out by National Gas Transmission personnel using pipeline location markers with triangular flags (see Appendix B) to indicate the presence of the pipeline. In exceptional circumstances and only with the prior agreement of National Gas Transmission, the locating and marking out of the pipeline could be carried out by competent third parties as long as National Gas Transmission is assured of their competence and the procedures to be followed.

Safe digging practices, in accordance with HSE publication HS(G)47 should be followed as both direct and consequential damage to gas plant can be dangerous both to employees and to the general public.

Previously agreed working practices should be reviewed and revised based on current site conditions. Any changes shall be agreed by the National Gas Transmission responsible person.

The requirements for trial holes to locate the pipeline or determine levels at crossing points shall be determined by the National Gas Transmission responsible person during the initial review of the work.

The excavation of all trial holes shall be supervised by a National Gas Transmission representative.



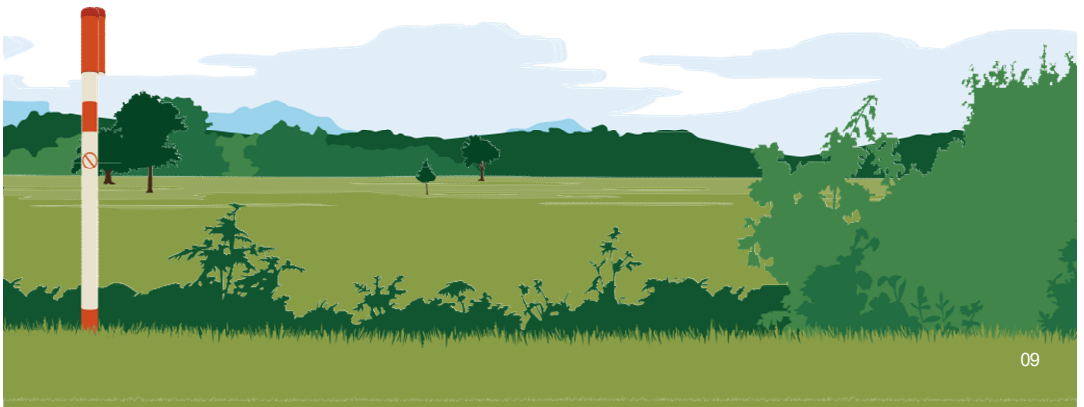
5 Slabbing and other protective measures

No protective measures, including the installation of concrete slab protection, shall be installed over or near to the National Gas Transmission pipeline without the prior permission of National Gas Transmission. National Gas Transmission will need to approve 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 Gas Transmission.

Note: A deed of indemnity may be required before a permanent concrete slab is installed over a National Gas Transmission pipeline. See section 2.1.

Where permanent slab protection is to be applied over the pipeline, National Gas Transmission will normally carry out a coating survey of the pipeline to check that there is no existing damage to the coating of the pipeline prior to the slab protection being put in place. This must be carried out prior to the installation of the slab.

The Safety precautions detailed in Sections 3 and 6 of this document should also be observed during the installation of the pipeline protection.



6 Excavation

6.1 In Proximity to a pipeline in an easement

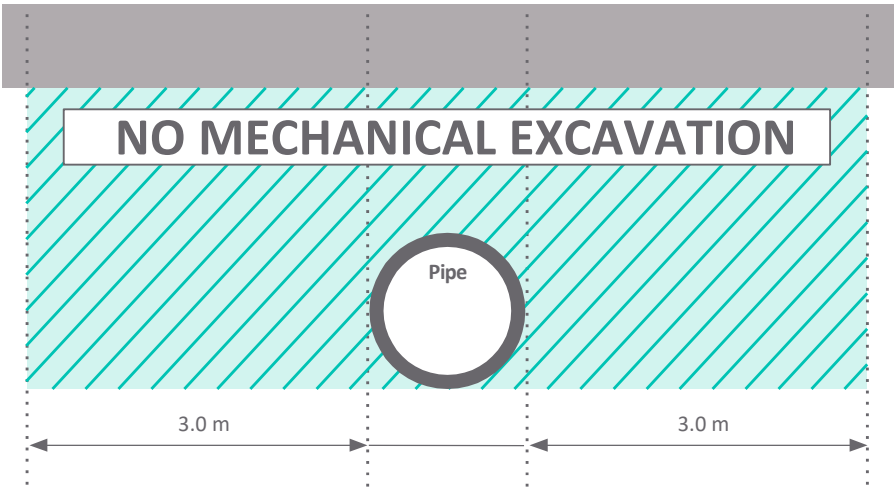
Third parties may excavate, unsupervised, with powered mechanical plant no closer than 3 metres to the National Gas Transmission pipeline as long as the pipeline has been clearly located and marked out by National Gas Transmission staff. Due to the potential of toothed excavator buckets to damage pipelines, toothless buckets shall be used. Any fitting, attachment or connecting pipework on the pipeline shall be exposed by hand. All other excavation shall be by hand.

Consideration may be given to a relaxation of these limits with the National Gas Transmission responsible person, provided the pipeline position has been confirmed by hand-dug trial holes and only whilst the National Gas Transmission representative remains on site.

Where sufficient depth of cover exists, following evidence from hand dug trial holes, light tracked vehicles may be permitted to strip topsoil to a depth of 0.25 metres, using a toothless bucket.

No topsoil or other materials shall be stored within the easement without the written permission of National Gas Transmission.

Figure 1. Excavation restrictions



No fires are allowed in the easement strip or close to above ground gas installations.

After the completion of the work the level of cover over the pipeline should be the same as that prior to work commencing, unless agreed otherwise with the National Gas Transmission responsible person.

No new service shall be laid parallel to the pipeline within the easement. In special circumstances, and only with formal written agreement from National Gas Transmission, this may be relaxed for short excursions where the service shall be laid no closer than 0.6 metres to the side of the pipeline.

Where work is being carried out parallel to the pipeline within or just alongside the easement, a post and wire fence shall be erected as a protective barrier between the works and the pipeline.

National Gas Transmission may require that an easement crossing agreement (deed of indemnity) be completed by the third party prior to the commencement of work.

This shall be discussed with the National Gas Transmission responsible person prior to the commencement of the works.

6.2 In proximity to a pipeline in the highway

Removal of the bituminous or concrete highway surface layer by mechanical means is permitted to a depth of 0.3 metres, although the use of chain trenchers to do this is not permitted within 3 metres of the pipeline. The National Gas Transmission representative may monitor this work.

Where the bituminous or concrete highway surface layer extends below 0.3 metres deep, it shall only be removed by handheld power assisted tools under the supervision of the National Gas Transmission representative. In exceptional circumstances, and following a risk assessment, these conditions may be relaxed by the National Gas Transmission responsible person.

Third parties may excavate, unsupervised, with powered plant mechanical plant no closer than 3 metres to the located National Gas Transmission pipeline. Any fitting or attachment shall be exposed by hand.

In special circumstances consideration may be given to a relaxation of these rules by agreement with the National Gas Transmission responsible person and only whilst the National Gas Transmission representative remains on site.

The use of 'No-dig' techniques is covered in Section 8.1.

Any new service running parallel to the pipeline should be laid no closer than 0.6 metres to the side of the pipeline (see Section 6.4).

6.3 Crossing over a 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 shall cross below the pipeline, see section 6.4.

In special circumstances consideration may be given to a relaxation of these rules by agreement with the National Gas Transmission responsible person and only whilst the National Gas Transmission representative remains on site.

6.4 Crossing below a pipeline

Where a service is to cross below the pipeline, a clearance distance of 0.6 metres between the crown of the service and underside of the pipeline shall be maintained.

Where lengths of pipeline greater than one metre are to be exposed, the National Gas Transmission responsible person shall be consulted. Any supports shall be removed prior to backfilling.

The exposed pipeline(s) shall be protected by matting and suitable timber cladding.

6.5 Cathodic protection

Cathodic Protection is applied to National Gas Transmission's buried steel pipelines and is a method of protecting pipelines from corrosion by maintaining an electrical potential the pipeline and anodes placed at strategic points along the pipeline.

Where a new service is to be laid and similarly protected, National Gas Transmission will undertake interference tests to determine whether the new service is interfering with the cathodic protection of the National Gas Transmission pipeline.

Should any cathodic protection posts or associated apparatus need moving to facilitate third party works, appropriate notice, at least 14 days, shall be given to National Gas Transmission. National Gas Transmission will undertake this work and any associated costs are to be covered by the third party.

6.6 Installation of electrical equipment

Where electrical equipment is being installed close to National Gas Transmission's buried steel pipelines, the effects of a rise of earth potential under fault conditions shall be considered by the third party and a risk assessment/earthing report shall be submitted to National Gas Transmission for their approval, prior to the works.

Note: A deed of indemnity will be required before any new apparatus (including electric/fibre cables) is installed within the pipeline easement. See section 2.1.

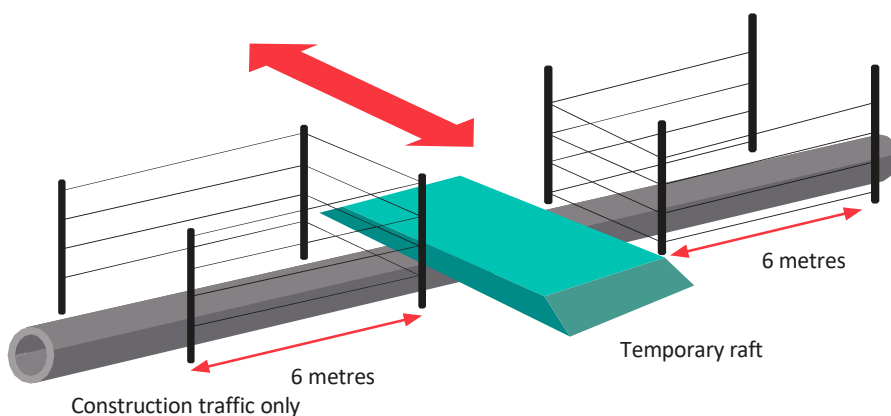
7 Construction traffic

Where existing roads cannot be used, construction traffic should **ONLY** cross the pipeline at previously agreed locations.

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. 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 National Gas Transmission prior to installation.

Figure 2. Construction traffic requirements



8 Specific activities

This section details the precautions that need to be taken when carrying out certain prescribed activities in the vicinity of the pipeline. Consult National Gas Transmission if you are intending to undertake one of the listed prescribed activities and/or require further advice on whether the work that you are intending to undertake has the potential to affect the pipeline.

The table below shows, for some specific activities, the prescribed distances within which the advice of National Gas Transmission shall be sought (see Sections 8.1 to 8.13 for further details):

Activity	Distance within which National Gas Transmission advice shall be sought
Piling	15 m
Surface Mineral Extraction	100 m
Landfilling	100 m
Demolition	150 m
Blasting	250 m
Deep Mining	1000 m
Wind Turbines	Not permitted within 1.5 times the turbine mast height from the nearest edge of a pipeline (please see www.ukopa.co.uk).

8.1 No-dig techniques

Where the third party (e.g. contractor, farmer, local authority, site worker etc.) intends using no dig-techniques

then a formal method statement shall be produced for all work that would encroach (either above or below ground) within the pipeline easement. This method statement shall be formally agreed with National Gas Transmission prior to the commencement of the work. National Gas Transmission may wish to be present when the work is being carried out and shall therefore be given adequate advance notice before the commencement of the work.

8.2 Changes to depth of cover

8.2.1 Increase in Cover

A pipeline integrity assessment shall be provided for situations involving a final cover depth exceeding 2.5 metres. This assessment should take due account of soil 'dead' loading, ground settlement due to earthworks and the impact of the increased cover on National Gas Transmission's ability to inspect and maintain the pipeline.

Embankment design and construction over pipelines shall give consideration to prevention of any instability. Expert advice may need to be sought which can be arranged through National Gas Transmission.

8.2.2 Reduction in Cover

The depth of cover over National Gas Transmission's pipeline shall not be

reduced. National Gas Transmission shall be consulted for any activity proposed that will lead to a reduction in cover over the pipeline. Expert advice may need to be sought which can be arranged through National Gas Transmission.

8.3 Piling

No piling shall be allowed within 15 metres of a pipeline without an assessment of the vibration levels at the pipeline. The peak particle velocity at the pipeline shall be limited to a maximum level of 75 mm/sec.

Where the peak particle velocity is predicted to exceed 50 mm/sec, the ground vibration shall be monitored by the contractor and the results made available to the National Gas Transmission responsible person at their request.

Where ground conditions include silt or sand, an assessment of the effect of vibration on settlement and liquefaction at the pipeline shall be made.

Expert advice may need to be sought which can be arranged through National Gas Transmission.

8.4 Demolition

No demolition should be allowed within 150 metres of a pipeline without an assessment of the vibration levels at the pipeline. The peak particle velocity at the pipeline shall be limited to a maximum level of 75 mm/sec. Where the peak particle velocity is predicted to exceed 50 mm/sec, the ground vibration shall be monitored by the contractor and the results available to the National Gas Transmission responsible person at their request.

Where ground conditions include silt or sand, an assessment of the effect of vibration on settlement and liquefaction at the pipeline shall be made.

Expert advice may need to be sought which can be arranged through National Gas Transmission.

8.5 Blasting

No blasting should be allowed within 250 metres of a pipeline without an assessment of the vibration levels at the pipeline. The peak particle velocity at the pipeline shall be limited to a maximum



level of 75 mm/sec. Where the peak particle velocity is predicted to exceed 50 mm/sec, the ground vibration shall be monitored by the individual/company undertaking the work and the results made available to the National Gas Transmission responsible person at their request.

Where ground conditions include silt or sand, an assessment of the effect of vibration on settlement and liquefaction at the pipeline shall be made.

Expert advice may need to be sought which can be arranged through National Gas Transmission.

8.6 Surface mineral extraction

An assessment shall be carried out on the effect of surface mineral extraction activity within 100 metres of a pipeline. Consideration should also be given to extraction around other pipeline associated plant and equipment.

Where the mineral extraction extends up to the pipeline easement, a stable slope angle and stand-off distance between the pipeline and slope crest shall be determined by National Gas Transmission. The easement strip should be clearly marked by a suitable permanent boundary such as a post and wire fence, and where appropriate, slope indicator markers shall be erected to facilitate the verification of the recommended slope angle as the slope is formed, by the

third party. The pipeline easement and slope need to be inspected periodically to identify any signs of developing instability. This may include any change of slope profile including bulging, the development of tension cracks on the slope or easement, or any changes in drainage around the slope. The results of each inspection should be recorded.

Where surface mineral extraction activities are planned within 100 metres of the pipeline but do not extend up to the pipeline easement boundary, an assessment, by National Gas Transmission shall be made on whether the planned activity could promote instability in the vicinity of the pipeline. This may occur where the pipeline is routed across a natural slope, or the excavation is deep. A significant cause of this problem is where the groundwater profile is affected by changes in drainage or the development of lagoons.

Where the extraction technique involves explosives the provisions of section 8.5 apply.

8.7 Deep Mining

Pipelines routed within 1 km of active deep mining may be affected by subsidence resulting from mineral extraction. The determination of protective or remedial measures will normally require expert assistance, which can be arranged through National Gas Transmission.

8.8 Landfilling

The creation of slopes outside of the pipeline easements may promote instability within the vicinity of the pipeline. An assessment should therefore be carried out, by National Gas Transmission, on the effect of any landfilling activity within 100 metres of a pipeline. The assessment is particularly important if landfilling operations are taking place on a slope in which the pipeline is routed.

8.9 Pressure testing

Hydraulic testing of a third-party pipeline should not be permitted within 6 metres either side of a National Gas Transmission pipeline, to provide protection against the effects of a burst.

Where this cannot be achieved, typically where the third-party pipeline needs to cross a National Gas Transmission pipeline, one of the following precautions would need to be adopted:

a) limiting of the design factor of the third-party pipeline to 0.3 at the pipeline's nominated maximum operating pressure (MOP), and the use of pre-tested pipe.

or b) the use of sleeving.

In either case, the third party shall submit of their proposed precautions and method statement for National Gas Transmission consideration.

8.10 Seismic surveys

National Gas Transmission shall be advised of any seismic surveying work in the vicinity of pipeline that will result in National Gas Transmission's pipeline being subjected to peak particle velocities in excess of 50 mm/sec. The ground vibration near to the pipeline shall also be monitored by the contractor whilst the survey work is being carried out. Where the peak particle velocity is predicted to exceed 50 mm/sec, the ground vibration should be monitored by the contractor and the results made available to the National Gas Transmission responsible person at their request.

8.11 Hot work

The National Gas Transmission responsible person on site should supervise all welding, burning or other 'hot work' that takes place within the easement.

8.12 Wind Turbines

Wind turbines shall not be sited any closer than 1.5 times the proposed height of the turbine mast away from the nearest edge of the pipeline. See UKOPA Good Practice Guide UKOPA/GP/013 for more information.

8.13 Solar Farms

Solar Farms can be built adjacent to pipelines but never within the easement. Advice shall be sought from National Gas Transmission at the early stages of design to ensure that electrical interference, security, future access, and construction methods can be mutually agreed. See UKOPA Good Practice Guide UKOPA/GP/014 for more information.

8.14 Festivals and Large Gatherings

National Gas Transmission shall be informed of any festivals & large gatherings that will result in a temporary population increase in the vicinity of the pipeline. The pipeline easement must be kept clear of any obstructions (which

could include parked vehicles, tents etc.). The event organisers will provide an appropriate risk assessment, including an emergency plan, and detailed site plans for National Gas Transmission's consideration.



9 Backfilling

No backfilling should be undertaken without National Gas Transmission agreement to proceed. The National Gas Transmission responsible person will stipulate the necessary consolidation requirements.

Individuals/contractors/companies/organisations undertaking work shall provide National Gas Transmission with 48 hours' notice, or shorter notice only if agreed with National Gas Transmission, of the intent to backfill over, under or alongside the pipeline. This requirement should also apply to any backfilling operations alongside the pipeline within 3 metres of the pipeline.

Minor damage to pipe coating and test leads will be repaired by National Gas Transmission free of charge.

Any damage to the pipeline or coating shall be reported to the National Gas Transmission responsible person in order that damage can be assessed, and repairs can be carried out.

If the pipeline has been backfilled without the knowledge of the National Gas Transmission responsible person, they will require the material to be re-excavated to enable the condition of the pipeline coating to be confirmed.

10 Action in the case of damage to the pipeline

If the National Gas Transmission pipeline is damaged, even slightly, and even if no gas leak has occurred then the following precautions shall be taken immediately: -

- Shut down all plant and machinery and extinguish any potential sources of ignition.
- Evacuate all personnel from the vicinity of the pipeline.
- Notify the National Gas Transmission responsible person or his office.

immediately using the contact telephone number provided

- Ensure no one approaches the pipeline.
- Do not try to stop any leaking gas.
- Notify National Gas Transmission using the free 24-hour emergency telephone number.

0800 111 999*

*All calls are recorded and may be monitored

11 References

NRSWA	New Roads & Street Works Act
HS(G)47	HSE Guidance 'Avoiding Danger from Underground Services'
IGE/SR/18	Safe Working Practices to Ensure the Integrity of Gas Pipelines and Associated Installations (Institution of Gas Engineers)
CIS08	Safety in Excavations (HSE document - see HSE website www.hse.gov.uk)
UKOPA	United Kingdom Onshore Pipeline Operators' Association (see UKOPA website www.ukopa.co.uk)
UKOPA/GP/013	Requirements for the Siting and Installation of Wind Turbines Installations in the Vicinity of Buried Pipelines
UKOPA/GP/014	Requirements for the Siting and Installation of Solar Photovoltaic (PV) Installations in the Vicinity of Buried Pipelines
LSBUD	LinesearchbeforeUdig (see LSBUD website www.lsbud.co.uk)

12 Glossary of terms

Deed of Servitude: In Scotland a 'Deed of Servitude' is considered equivalent to 'easement' in this document.

Easement: Easements are negotiated legal entitlements between National Gas Transmission and landowner and allow National Gas Transmission to lay, operate and maintain pipelines within the easement strip. Easement strips may vary in width typically between 6 and 25 metres depending on the diameter and pressure of the pipeline. Consult National Gas Transmission for details of the extent of the easement strip where work is intended.

Liquefaction: Liquefaction is a phenomenon in which the strength and stiffness of the soil is reduced by earthquake shaking or other rapid loading.

Liquefaction occurs in saturated soils, that is, soils in which the space between individual particles is completely filled with water. When liquefaction occurs, the strength of the soil decreases and the ability of the soil to support pipelines or other components is reduced.

Promoter of works: The person or persons, firm, company, or authority for whom new services, structures, or other works in the vicinity of existing National Gas Transmission pipelines and associated installations operating above 7 bar gauge are being undertaken.

National Gas Transmission responsible person: The person or persons appointed by National Gas Transmission with the competencies required to authorise and approve the particular activity.

National Gas Transmission representative: The person or persons appointed by National Gas Transmission with the competencies required to carry out on site activities, e.g. monitoring the specific activity, as per the agreed safe working practices.

Wayleave: General term which is considered equivalent to 'easement' in this document.

13. Privacy Notice

National Gas Transmission collect and process your data in accordance with our Privacy Notice. To view this, please go to <https://www.nationalgas.com/privacy-policy>

Appendix A

Site Document Control Form - Sample

EMERGENCY TELEPHONE NO.			
0800 111 999*			
SITE DOCUMENT CONTROL FORM			
Activity reference:			
Activity location:			
Site manager:			
NGT contact:			
The following documents were issued to:			
Individual's name:			
Company name & address:			
By:		Date:	
Documents:			
Signed: <i>(by the recipient)</i>			Date of signature:
*All calls are recorded and may be monitored			

Site Document Control Form - Sample

EMERGENCY TELEPHONE NO.			
0800 111 999*			
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Signed: <i>(by the recipient)</i>		Date of signature:	

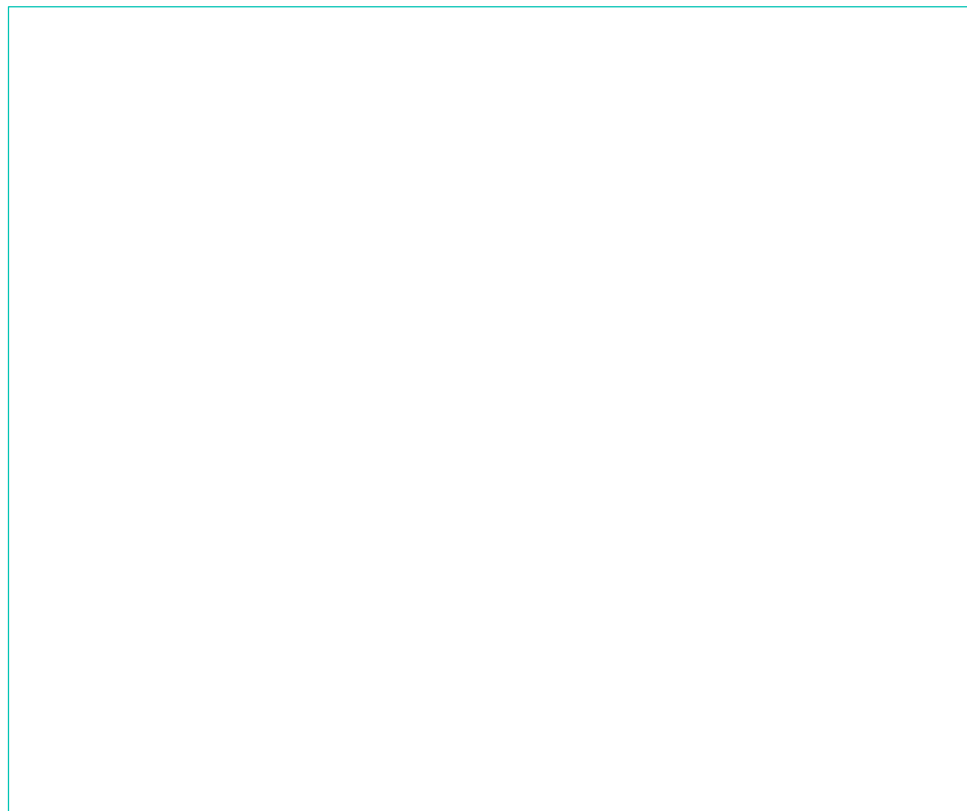
*All calls are recorded and may be monitored

Appendix B

Pipeline Location Flags



National Gas Transmission contact details:



EMERGENCY TELEPHONE NO.

0800 111 999*

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national gas transmission

SELF SERVICE FOR PLANT ENQUIRIES:
www.lsbud.co.uk

This is a free online enquiry service giving results within minutes from a grid reference, postcode or street name. This site allows you to submit enquiries about activities and work that you are planning, which may have an impact on the National Gas Transmission Network.

IF YOU ARE PLANNING TO DO WORK
NEAR OR IN THE VICINITY OF A
PIPELINE AND NEED SUPPORT TO
RAISE AN ENQUIRY PLEASE CONTACT

 0800 970 7000*

 box.assetprotection@nationalgas.com

 National Gas Transmission House
Gallows Hill
Warwick
CV34 6DA

*Calls will be recorded and may be monitored

www.LSBUD.co.uk



EMERGENCY

If you hit the pipeline, whether the damage is visible or not, or in the event of an emergency, call the National Gas Transmission Service immediately on

0800 111 999*

*CALLS WILL BE RECORDED
AND MAY BE MONITORED

T/SP/SSW/22
March 2024



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