



Application for approval of details reserved by condition.
Town and Country Planning Act 1990
Planning (Listed Buildings and Conservation Areas) Act 1990

Publication of applications on planning authority websites.

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website.

If you require any further clarification, please contact the Authority's planning department.

1. Applicant Name, Address and Contact Details

Title: First Name: Surname:

Company name:

Street address:

Town/City:

Country:

Postcode:

Telephone number:

Mobile number:

Fax number:

Email address:

Are you an agent acting on behalf of the applicant? Yes No

2. Agent Name, Address and Contact Details

Title: First Name: Surname:

Company name:

Street address:

Town/City:

Country:

Postcode:

Telephone number:

Mobile number:

Fax number:

Email address:

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3. Site Address Details

Full postal address of the site (including full postcode where available)

Description:

House: Suffix:

House name:

Street address:

Town/City:

Postcode:

Description of location or a grid reference
(must be completed if postcode is not known):

Easting:

Northing:

4. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application?

Yes No

5. Description of the Proposal

Please provide a description of the approved development as shown on the decision letter:

To develop a hydrocarbon wellsite and drill up to two exploratory hydrocarbon wells (one vertically and one horizontally) by use of a drilling rig together with associated ancillary works. The proposed development will be carried out in four phases: Phase 1 - wellsite construction; Phase 2 - drilling of up to two exploratory wells for hydrocarbons including potential shale gas (the first one vertical and the second one horizontal); Phase 3 - suspension of wells and assessment of drilling results; Phase 4 - site decommissioning, well abandonment and restoration.

Application reference number:

Date of decision:

Please state the condition number(s) to which this application relates:

Condition number(s):

Has the development already started? Yes No

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6. Discharge of Condition(s)

Please provide a full description and/or list of the materials/details that are being submitted for approval:

26 - a scheme for the establishment of reptile habitat (e.g. refuge/brush piles, artificial hibernacula), its location and timing of provisions (see enclosed report)

28 - details of the measures to be taken to ensure that the heritage significance of the former missile pads are protected during the course of the development (see enclosed report)

7. Part Discharge of Condition(s)

Are you seeking to discharge only part of a condition?

Yes No

8. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

Yes No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

The agent The applicant Other person

9. Declaration

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information. I/we confirm that, to the best of my/our knowledge, any facts stated are true and accurate and any opinions given are the genuine opinions of the person(s) giving them.



Date

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**SUBMISSION UNDER CONDITION 28 OF PLANNING PERMISSION
1/15/01498/CDM.**

**SCHEME TO ENSURE PROTECTION OF THE HERITAGE SIGNIFICANCE
OF FORMER MISSILE PADS AT LAND OFF SPRINGS ROAD,
MISSON, DE10 6ET.**

1 INTRODUCTION

1.1 Context

1.1.1 This document relates to the proposed exploratory drilling at land off Springs Road, Misson, DN10 6ET.

1.1.2 Planning Permission ref. 1/15/01034/CDM was granted by Nottinghamshire County Council on 24 May 2017 to develop a hydrocarbon wellsite and drill up to two exploratory hydrocarbon wells by use of a drilling rig and ancillary works.

1.1.3 This document sets out the proposed procedures and practices to be implemented throughout the life of the development to ensure protection of the heritage significance of former missile pads, as required by Condition 28 of Planning Permission 1/15/01498/CDM.

1.1.4 Planning condition 28 attached to the planning permission states:

28. No development shall take place until details of the measures to be taken to ensure that the heritage significance of the former missile pads are protected during the course of the development have been submitted to the MPA and approved in writing. The submission shall incorporate:

- a. A non-intrusive examination of the missile pads affected by the compound area including test excavations alongside each base to establish / confirm the depth of construction;*
- b. The structural analysis of the missile bases and assessment of their capability for withstanding the loads resulting from the proposals;*

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- c. *Based on the above survey work the submission of a scheme of protection that would ensure the development does not physically damage the missile bases;*
- d. *The methodology for the complete removal of the development after Phase 4.*

The development shall be carried out in accordance with the approved details.

1.1.5 The objective of this document is to provide the MPA with sufficient information to enable the discharge of planning condition no. 28 of Planning Permission ref. 1/15/01034/CDM.

1.1.6 The scheme sets out measures to ensure that the development does not result in any harm to the non-designated heritage assets present at the construction, operation, and restoration stages of development.

2 SCHEME TO PROTECT THE HERITAGE SIGNIFICANCE OF THE NON-DESIGNATED HERITAGE ASSET

2.1 Potential Risk

2.1.1 Throughout the proposed development, the risk to the heritage significance of the former missile pads within the wellsite compound area, comes from the potential of their integrity being compromised by having excessively heavy loads placed upon them.

2.2 Existing Proposed Measures to Protect Missile Pads within the Construction of the Wellsite

2.2.1 Described within the proposed construction design of the wellsite compound are layers of material which distribute weight and so protect the underlying former missile pads from heavy loads.

2.2.2 Additional layers of membrane, described within the proposed construction of the compound wellsite, create an impermeable barrier isolating the wellsite compound and protecting both the underlying former missile pads and soils from any off site pollution.

2.2.3 Included within the proposed construction of the sealed and impermeable wellsite compound are:

- a protective capping layer of sand;

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- a geotextile membrane overlain by;
- an impermeable liner; and
- a further geotextile membrane; and
- a covering of MOT Type 3 aggregate or equivalent to a depth of 300mm (depth of aggregate will vary across the site to facilitate drainage).

2.2.4 During all phases of the development, great care will be taken to protect the integrity of the former missile pads.

2.3 Proposed Site Investigations and Structural Analysis

2.3.1 Prior to the construction of the site, the former missile pads within the area of the wellsite compound are to be visually assessed by a qualified heritage specialist.

2.3.2 Notable features and any pre-existing damage will be recorded establishing the existing condition of the former missile pads.

2.3.3 At four locations adjacent to each of the four former missile pads. Dynamic Cone Penetrometer (DCP) testing will be used from ground level to 1.5-metre maximum depths, determining a CBR (California Bearing Ratio) profile of subbase and subgrade.

2.3.4 Intrusive site investigations will be undertaken adjacent to the four former missile pads. This will not directly affect the pads, but enables the heritage specialist undertaking the work to determine and confirm the make-up of the pads and the underlying subbase and subgrade.

2.3.5 The intrusive site investigations will be conducted by carefully excavating down the side of each of the missile pad foundations to a depth at which the heritage specialist is able to confirm the make-up of the subbase and subgrade as well as the depth of construction.

2.3.6 The trial pitting, undertaken by the appointed heritage specialist, will involve the supervised use of a suitably sized excavator or where appropriate hand digging.

2.3.7 Whilst excavating, regular sampling, logging, and photography will take place.

2.3.8 The trial pits are likely to be 1 metre wide, 3 metres long and 4 metres deep.

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- 2.3.9 Excavated soil is to be placed beside the pit.
- 2.3.10 Upon completion of the investigation, pits are to be fully backfilled with returned soils compacted during filling.
- 2.3.11 The structural analysis of the missile pads by the appointed specialist will enable conclusions to be drawn regarding the potential for damage to the former missile pads as a consequence of having supported the additional weight of the development.
- 2.3.12 The structural analysis will determine the existing depths and make-up of the former missile pads and, along with the knowledge of the weights to be laden upon the former missile pads, will enable the specialist to ascertain whether the proposed works will generate an acceptable level of loading, unlikely to cause damage to the underlying missile pads.
- 2.3.13 Analysis of the pads is to be undertaken for both global uniformly distributed loading (applied by the proposed construction) and for point loadings (applied by plants, site cabins and site vehicles).
- 2.3.14 The structural analysis will be presented as a report, completed by the appointed specialist, outlining the site investigations undertaken and their findings. The report will be presented to the MPA along with expert comment on the suitability of the mitigation works to be undertaken.

2.4 Potential for Additional Protection / Remediation Measures

- 2.4.1 If the structural analysis forecasts likely potential harm to the integrity of the former missile pads, irrespective of the proposed measures implemented into the scheme as permitted for the protection to the pads, recommendations will be set out in the specialist's report regarding any improvements necessary to prevent damage. Any remediation necessary on completion of the works will also be recommended if so required.
- 2.4.2 Should additional protection or remediation measures be recommended by the appointed specialist following the undertaking and analysis of the site investigations and structural analysis, the proposed additional measures will be discussed and agreed with the MPA prior to their implementation.

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2.5 Methodology for Removal of Wellsite

- 2.5.1 Upon cessation of exploratory drilling operations, the drill rig, site offices, infrastructure, and the wellsite base will be removed from the site.
- 2.5.2 During the removal of the wellsite compound great care will be taken to protect the integrity of the former missile pads.
- 2.5.3 Upon restoration of the site to as existing, the former underlying missile pads will be visually inspected to ensure that no harm has been issued to the assets. Any damage will be recorded and the MPA informed.

3 CONCLUSIONS

- 3.1.1 During Phase 1 (construction) and Phase 3 (removal), an appropriate IGas representative, conversant with the need to prevent harm to the former missile bases and the best measures to prevent any damage to the assets, will be present.
- 3.1.2 If approved by the MPA, the measures within this scheme will be adhered to in order to prevent harm to the former missile bases at the site.
- 3.1.3 Overall, it is considered that this Document provides sufficient appropriate and deliverable measures for the prevention of harm to the heritage interests at land off Springs Road, Misson, DN10 6ET. Planning Condition no. 28 of Planning Permission ref. 1/15/01034/CDM should be discharged accordingly.

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