

Ref PA/2023/421 post-combustion carbon capture plant, VPI Power Station, Rosper Road, South Killingholme

Town Planning LNE <TownPlanningLNE@networkrail.co.uk>

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To: Planning <Planning@northlincs.gov.uk>

📎 2 attachments (58 KB)

Standard Informatives.docx; Standard Drainage Requirements.doc;

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## Network Rail Consultation Response

<b>FAO:</b>	Rebecca Leggott
<b>Date:</b>	23 May 2023
<b>Application reference:</b>	PA/2023/421
<b>Proposal:</b>	Construction and operation of a post-combustion carbon capture plant
<b>Location:</b>	VPI Power Station, Rosper Road, South Killingholme, DN40 3DZ

Thank you for your recent correspondence relating to the above application.

Network Rail own, operate and develop Britain's railway infrastructure. Our role is to deliver a safe and reliable railway. All consultations are assessed with the safety of the operational railway in mind and responded to on this basis.

Following assessment of the details provided to support the above application, Network Rail has **no objection in principle to the development**, but below are some requirements which must be met,

It should be noted that any requirement for a pipeline or connection to be installed through operational railway land must be agreed with Network Rail in advance. The developer will be required to enter into the necessary licences and agreements with Network Rail in order to carry out such work and operate the connection. If they have not done so already, they should contact our Easements and Wayleaves Team ([easements&wayleaves@networkrail.co.uk](mailto:easements&wayleaves@networkrail.co.uk)) to start these discussions and reach agreement.

### Works in Proximity to the Operational Railway Environment

#### **Development Construction Phase and Asset Protection**

Due to the proximity of the proposed development to the operational railway boundary, it will be imperative that the developer liaise with our Asset Protection Team (contact details below) prior to any work taking place on site to ensure that the development can be undertaken safely and without impact to operational railway safety. Details to be discussed and agreed will include construction methodology, earthworks and excavations, use of crane, plant and machinery, drainage and boundary treatments. It may be necessary for the developer to enter into a Basic Asset Protection Agreement (BAPA) with Network Rail to ensure the safety of the operational railway during these works.

#### *Condition*

*Development shall not commence until a construction methodology has been submitted to and approved in writing by the Local Authority. The construction methodology shall demonstrate consultation with the Asset Protection Project Manager at Network Rail. The development shall thereafter be carried out in accordance with the approved construction methodology unless otherwise agreed in writing by the Local Planning Authority.*

Contact details for Asset Protection are supplied below and **we would draw the developers' attention to the attached guidance on Network Rail requirements.**

#### **Drainage**

It is imperative that drainage associated with the site does not impact on or cause damage to adjacent railway assets. Surface water must flow away from the railway, there must be no ponding of water adjacent to the boundary and any attenuation scheme within 30m of the railway boundary must be approved by Network Rail in advance. There must be no connection to existing railway drainage assets without prior agreement with Network Rail. **Please note, further detail on Network Rail requirements relating to drainage and works in proximity to the railway infrastructure is attached for your reference.**

#### *Condition*

It is expected that the preparation and implementation of a surface water drainage strategy addressing these above points will be conditioned as part of any approval.

### Boundary Treatments, Landscaping and Lighting

#### **Trespass Proof Fencing**

Trespass onto the railway is a criminal offence. It can result in costly delays to rail traffic, damage to the railway infrastructure and in the worst instances, injury and loss of life. Due to the nature of the proposed development we consider that there will be an increased risk of trespass onto the railway.

#### *Condition*

The developer must provide a suitable trespass proof fence adjacent to Network Rail's boundary (approx. 1.8m high) and make provision for its future renewal and maintenance. Network Rail's existing fencing/wall must not be removed or damaged.

#### **Vehicle Incursion Measures**

An Armco or similar barrier should be located in positions where vehicles may be in a position to drive into or roll onto the railway or damage the lineside fencing. Network Rail's existing fencing / wall must not be removed or damaged. Given the considerable number of vehicle movements likely provision should be made at each turning area/roadway/car parking area adjacent to the railway. This is in accord with the new guidance for road/rail vehicle incursion NR/LV/CIV/00012 following on from DfT advice issued in 2003, now updated to include risk of incursion from private land/roadways.

#### *Condition*

Given the nature of the proposals and location of turning areas/car parking, we would expect that a condition securing the design and installation of suitable vehicle incursion measures by the developer is included in any consent. This is for the safety, operational needs and integrity of the railway.

**Landscaping**

It is imperative that planting and landscaping schemes near the railway boundary do not impact on operational railway safety. Where trees and shrubs are to be planted adjacent to boundary, they should be positioned at a minimum distance greater than their height at maturity from the boundary. Certain broad leaf deciduous species should not be planted adjacent to the railway boundary. Any hedge planted adjacent to the railway boundary fencing for screening purposes should be placed so that when fully grown it does not damage the fencing, provide a means of scaling it, or prevent Network Rail from maintaining its boundary fencing. Below is a list of species that are acceptable and unacceptable for planting in proximity to the railway boundary;

Acceptable:

Birch (Betula), Crab Apple (Malus Sylvestris), Field Maple (Acer Campestre), Bird Cherry (Prunus Padus), Wild Pear (Pyrus Communis), Fir Trees – Pines (Pinus), Hawthorn (Cretaeagus), Mountain Ash – Whitebeams (Sorbus), False Acacia (Robinia), Willow Shrubs (Shrubby Salix), Thuja Plicatata “Zebrina”

Not Acceptable:

Acer (Acer pseudoplatanus), Aspen – Poplar (Populus), Small-leaved Lime (Tilia Cordata), Sycamore – Norway Maple (Acer), Horse Chestnut (Aesculus Hippocastanum), Sweet Chestnut (Castanea Sativa), Ash (Fraxinus excelsior), Black poplar (Populus nigra var, betulifolia), Lombardy Poplar (Populus nigra var, italica), Large-leaved lime (Tilia platyphyllos), Common lime (Tilia x europea)

*Condition*

Landscaping detail should be submitted to the Local Planning Authority and approved in conjunction with Network Rail.

**Lighting**

Where lighting is to be erected adjacent to the operational railway, the potential for train drivers to be dazzled must be eliminated. In addition, the location and colour of lights must not give rise to the potential for confusion with the signalling arrangements on the railway.

*Condition*

Detail of any external lighting should be provided to the Local Planning Authority to be approved in conjunction with Network Rail.

**Reason for above conditions:**

**The safety, operational needs and integrity of the railway.**

**Informatives:**

**Please see attached standard railway requirements to be included as informatives.**

**Conclusion**

Thank you again for the opportunity to comment on the proposed scheme. We trust that the above will be given due consideration in determining the application and if you have any enquiries in relation to the above, please contact us at [townplanningjne@networkrail.co.uk](mailto:townplanningjne@networkrail.co.uk).

Useful Network Rail contacts;

**Asset Protection Eastern**

For enquiries, advice and agreements relating to construction methodology, works in proximity to the railway boundary, drainage works, or schemes in proximity to railway tunnels (including tunnel shafts) please email [assetprotectioneastern@networkrail.co.uk](mailto:assetprotectioneastern@networkrail.co.uk).

**Land Information**

For enquiries relating to land ownership enquiries, please email [landinformation@networkrail.co.uk](mailto:landinformation@networkrail.co.uk).

**Property Services**

For enquiries relating to agreements to use, purchase or rent Network Rail land, please email [propertyservicesneem@networkrail.co.uk](mailto:propertyservicesneem@networkrail.co.uk).

Kind regards



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**Please note I am on study leave on Wednesdays for the foreseeable future and will be unavailable on these days**

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## **Network Rail Standard Informatives**

**Please note, not all of these requirements may be applicable to this development**

### **Fail Safe Use of Crane and Plant**

All operations, including the use of cranes or other mechanical plant working adjacent to Network Rail's property, must at all times be carried out in a "fail safe" manner such that in the event of mishandling, collapse or failure, no materials or plant are capable of falling within 3.0m of the nearest rail of the adjacent railway line, or where the railway is electrified, within 3.0m of overhead electrical equipment or supports.

With a development of a certain height that may/will require use of a crane, the developer must bear in mind the following. Crane usage adjacent to railway infrastructure is subject to stipulations on size, capacity etc. which needs to be agreed by the Asset Protection Project Manager prior to implementation.

### **Excavations/Earthworks**

All excavations/ earthworks carried out in the vicinity of Network Rail property/ structures must be designed and executed such that no interference with the integrity of that property/ structure can occur. If temporary works compounds are to be located adjacent to the operational railway, these should be included in a method statement for approval by Network Rail. Prior to commencement of works, full details of excavations and earthworks to be carried out near the railway undertaker's boundary fence should be submitted for the approval of the Local Planning Authority acting in consultation with the railway undertaker and the works shall only be carried out in accordance with the approved details. Where development may affect the railway, consultation with the Asset Protection Project Manager should be undertaken. Network Rail will not accept any liability for any settlement, disturbance or damage caused to any development by failure of the railway infrastructure nor for any noise or vibration arising from the normal use and/or maintenance of the operational railway. No right of support is given or can be claimed from Network Rails infrastructure or railway land.

### **Security of Mutual Boundary**

Security of the railway boundary will need to be maintained at all times. If the works require temporary or permanent alterations to the mutual boundary the applicant must contact Network Rail's Asset Protection Project Manager.

### **Demolition**

Any demolition or refurbishment works must not be carried out on the development site that may endanger the safe operation of the railway, or the stability of the adjoining Network Rail structures. The demolition of buildings or other structures near to the operational railway infrastructure must be carried out in accordance with an agreed method statement. Approval of the method statement must be obtained from Network Rail's Asset Protection Project Manager before the development can commence.

### **Vibro-impact Machinery**

Where vibro-compaction machinery is to be used in development, details of the use of such machinery and a method statement should be submitted for the approval of the Local Planning Authority acting in consultation with the railway undertaker prior to the commencement of works and the works shall only be carried out in accordance with the approved method statement.

### **Scaffolding**

Any scaffold which is to be constructed within 10 metres of the railway boundary fence must be erected in such a manner that at no time will any poles over-sail the railway and protective netting around such scaffold must be installed.

### **Bridge Strikes**

Applications that are likely to generate an increase in trips under railway bridges may be of concern to Network Rail where there is potential for an increase in 'Bridge strikes'. Vehicles hitting railway bridges cause significant disruption and delay to rail users. Consultation with the Asset Protection

Project Manager is necessary to understand if there is a problem. If required there may be a need to fit bridge protection barriers which may be at the developer's expense.

### **Abnormal Loads**

From the information supplied, it is not clear if any abnormal loads will be using routes that include any Network Rail assets (e.g. bridges and level crossings). We would have serious reservations if during the construction or operation of the site, abnormal loads will use routes that include Network Rail assets. Network Rail would request that the applicant contact our Asset Protection Project Manager to confirm that any proposed route is viable and to agree a strategy to protect our asset(s) from any potential damage caused by abnormal loads. I would also like to advise that where any damage, injury or delay to the rail network is caused by an abnormal load (related to the application site), the applicant or developer will incur full liability.

### **Two Metre Boundary**

Consideration should be given to ensure that the construction and subsequent maintenance can be carried out to any proposed buildings or structures without adversely affecting the safety of, or encroaching upon Network Rail's adjacent land, and therefore all/any building should be situated at least 2 metres from Network Rail's boundary. This will allow construction and future maintenance to be carried out from the applicant's land, thus reducing the probability of provision and costs of railway look-out protection, supervision and other facilities necessary when working from or on railway land.

### **ENCROACHMENT**

The developer/applicant must ensure that their proposal, both during construction, and after completion of works on site, does not affect the safety, operation or integrity of the operational railway, Network Rail and its infrastructure or undermine or damage or adversely affect any railway land and structures. There must be no physical encroachment of the proposal onto Network Rail land, no over-sailing into Network Rail airspace and no encroachment of foundations onto Network Rail land and soil. There must be no physical encroachment of any foundations onto Network Rail land. Any future maintenance must be conducted solely within the applicant's land ownership. Should the applicant require access to Network Rail land then must seek approval from the Network Rail Asset Protection Team. Any unauthorised access to Network Rail land or airspace is an act of trespass and we would remind the council that this is a criminal offence (**s55 British Transport Commission Act 1949**). Should the applicant be granted access to Network Rail land then they will be liable for all costs incurred in facilitating the proposal.

### **Access to the Railway**

All roads, paths or ways providing access to any part of the railway undertaker's land shall be kept open at all times during and after the development.

## **Standard Drainage Requirements**

We ask that all surface and foul water drainage from the development area be directed away from Network Rail's retained land and structures into suitable drainage systems, the details of which are to be approved by Network Rail before construction starts on site.

Water must not be caused to pond on or near railway land either during or after any construction-related activity.

The construction of soakaways for storm or surface water drainage should not take place within 20m of the Network Rail boundary. Any new drains are to be constructed and maintained so as not to have any adverse effect upon the stability of any Network Rail equipment, structure, cutting or embankment.

The construction of soakaways within any lease area is not permitted.

The construction of surface water retention ponds/tanks, SuDS or flow control systems should not take place within 20m of the Network Rail boundary where these systems are proposed to be **below** existing track level. Full overland flow conditions should be submitted to Network Rail for approval prior to any works on site commencing.

The construction of surface water retention ponds/tanks, SuDS or flow control systems should not take place within 30m of the Network Rail boundary where these systems are proposed to be **above** existing track level. Full overland flow conditions should be submitted to Network Rail for approval prior to any works on site commencing.

If a Network Rail-owned underline structure (such as a culvert, pipe or drain) is intended to act as a means of conveying surface water within or away from the development, then all parties must work together to ensure that the structure is fit for purpose and able to take the proposed flows without risk to the safety of the railway or the surrounding land.

### **Wayleaves and or easements for underline drainage assets**

The position of any underline drainage asset shall not be within 5m of drainage assets, sensitive operational equipment such as switches and crossings, track joints, welds, overhead line stanchions and line side equipment, and not within 15m of bridges, culverts, retaining walls and other structures supporting railway live loading.

### **Protection of existing railway drainage assets within a clearance area**

There are likely to be existing railway drainage assets in the vicinity of the proposed works. Please proceed with caution.

No connection of drainage shall be made to these assets without Network Rail's prior consent to detailed proposals. Any works within 5m of the assets will require prior consent.

There must be no interfering with existing drainage assets/systems without Network Rail's written permission.

The developer is asked to ascertain with Network Rail the existence of any existing railway drainage assets or systems in the vicinity of the development area before work starts on site. Please contact Asset Protection ([assetprotectioneastern@networkrail.co.uk](mailto:assetprotectioneastern@networkrail.co.uk)) for further information and assistance.