H15/0544/03

- 1 MAY 2003

CHIEF PLANNING OFFICER
SOUTH HOLLAND DISTRICT COUNCIL
COUNCIL OFFICES
PRIORY ROAD
SPALDING
LINCOLNSHIRE
PE11 2XE

Our Ref: IMGB256388

Dear Sirs

Date: 24th April 2003

Application for prior approval determination under Part 24 of the GPDO in respect of permitted development by a Telecommunications Code System Operator.

Under the conditions laid down in part 24 of schedule 2 of the above legislation, we understand that the telecommunications development listed below falls into the category of permitted development. However, we are writing to invite your prior approval to the siting and appearance of the development as required by para A-2 (4) of Part 24.

The apparatus is required to provide urgent service commitments and we therefore wish to install this equipment as soon as possible. Your earliest response regarding this submission would therefore be appreciated. In accordance with the terms of the GPDO, If we have not received any response to this application within the statutory 56 days of its receipt, we intend to proceed with the development as planned.

Contact details of Applicant

Name: Mark Attenborough

Tel: 0115 853 7716 Fax: 0115 947 2312

Location Of Proposal

HARGRAVE INTERNATIONAL TRANSPORT Ltd.
TOWN DROVE
QUADRING
SPALDING
LINCOLNSHIRE
PE11 4PU

Grid Reference of proposed development. TF 21450 33850

Purpose Of Development and How the proposed installation differs from other cellular radio installations

This is not a cellular radio infrastructure development. BT deploys the majority of its radio links in response to Customer orders for service, which have short contractual

delivery times. The overall pattern of these orders is not usually predictable and is not therefore practical to produce a radio network roll-out plan.

The proposed installation is designed to provide point to point telecommunication services to a local business for a temporary period until the installation of an optical fibre cable is completed. The transmitter section of the installation operates at very low power, as is the nature of most microwave point to point radio systems, and the radio frequency energy is directly aimed at the far end of the link. This type of installation will not work if the two antennas are not perfectly aligned and the path between them completely clear of obstructions.

Cellular radio installations (cell site or mobile phone base stations) on the other hand, are point to multi-point systems with a low power radio transmitter to transmit radio waves to mobile phones. Their antennas are aligned to give 360-degree coverage around the site and the radio emissions are aimed at the ground within the cell or area they are designed to operate in.

Permanent method of network connection

The permanent method of service delivery to this customer will be via a new optical fibre cable from the local telephone exchange. Installation of this cable began in March 2003 but a duct blockage under the railway line at the Town Drove level crossing has prevented its completion. Arrangements between our contractor and the Strategic Rail Authority to resolve the problem are continuing. These arrangements to stop the rail traffic and take possession of the site for the corrective work to be instigated can take up to six months. The temporary radio apparatus will therefore be required for at least this length of time; its recovery will take place once the change over to the new cable has been successfully completed.

The Proposed Structure

The structure has been particularly sited to give a clear line of sight to Kirkby Underwood Radio Station, and to take advantage of the natural screening provided by trees in the locality.

Type of structure: A portable Strumech Versatower erected to a height of 15m above ground level supporting a single 0.3m diameter dish antenna and small equipment module at 15m above ground.

Overall height: 15 metres.

Type of material and external colour of structure: STEEL (GREY GALVANISED FINISH)

Distance from Airfield or Aerodrome

The structure is within 3km of an airfield or aerodrome: NO

The Civil Aviation Authority or Secretary of State for Defence (as appropriate) has been notified: NO

Site Sharing on Existing Structures

In order for any existing structure to be used the structure must be capable of supporting our apparatus and it must be possible to access that apparatus safely within the required time scales. This applies whether the structure is located at a BT Telephone Exchange, Radio Station or third party owned site where a BT network access point is available.

There are no suitable existing structures, within the transmission limits of the proposed equipment, that are available for use.

Radiation Risk assessment

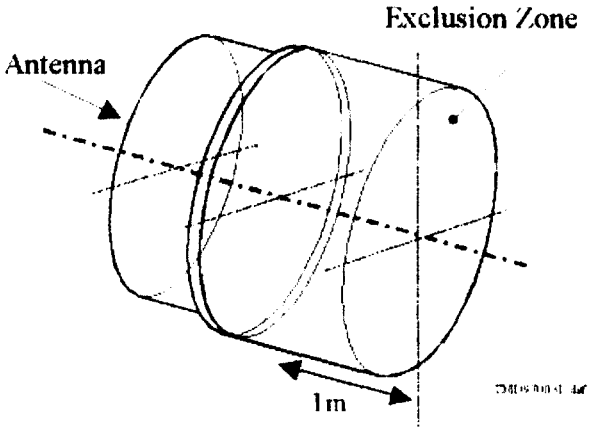
Health and safety is at the very heart of BT's ethos - we are very conscious of our responsibility to the public, employees, customers and other stakeholders.

BT conforms to the International Commission on None-Ionising Radiation Protection, ICNIRP (International), guidelines for public exposure established by the Independent Expert Group on Mobile Phones (IEGMP) set up by The Minister of Public Health in early 2000, under the chairmanship of Prof. Sir William Stewart. These guidelines are supervised by the National Radiological Protection Board (NRPB).

The ICNIRP guideline for continuous exposure at the frequency of 18GHz is 10 Watts/square metre; the maximum level that anybody at ground height would be exposed to from our installation at Hargrave International Transport Ltd is thousands of times lower than this figure, bringing it into the range of 0.00001 Watts/square metre, this is depended on the height of the antenna, thus the greater the height of the antenna above the ground the greater the safety margin.

When working aloft and in the vicinity of the microwave dish (antenna) an exclusion Zone of one metre in front of the dish, as illustrated below, is recommended. This exclusion zone will ensure that the ICNIRP public guidelines are not exceeded and that the line of sight required by the communications equipment is not interrupted thereby maintaining the level of service required by this installation.

Exclusion Zone Illustration

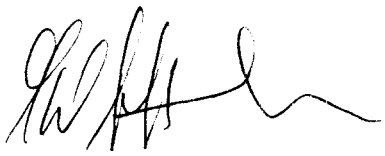


In summary, the NRPB and other reputable agencies have advised that there is currently no convincing scientific evidence of a risk to health through exposure to non-ionising radio frequency (RF) waves below the national guidelines.

This is further supported by the World Health Organisation (WHO) and the IEGMP committee who have stated that exposure levels from RF non-ionising radiation that meet the current guidelines do not cause adverse effects to the general population.

Please forward all correspondence to the address shown below.

Attached
ICNIRP Certificate
Plans
Evidence of owner notification

Yours faithfully 

Mark Attenborough
Radio Planning Engineer

Customer Wideband Planning Group
Post Point: BSTE 0301
Bath Street ATE
Bath Street
Nottingham
NG1 1BZ

Tel: 0115 853 7716
Fax: 0115 947 2312
Email: mark.attenborough@bt.com