DALY INTERNATIONAL

TELECOMMUNICATION INSTALLATION

FOR

Hutchison 3G UK Limited

at:

Telecommunications Site at

Birdwell Club, Sheffield Road, Sheffield, South Yorkshire, S70 5UY

SUPPLEMENTARY INFORMATION FORM

incorporating

DESIGN AND ACCESS STATEMENT

December 2014

Prepared by:

Daly International

H3G ref: BAR021

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SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Birdwell Club	Site Address:	Birdwell Club, Sheffield Road, Sheffield, South Yorkshire, S70 5UY
NGR:	E 434445, N 401412		
Site Ref Number:	BAR021	Site Type:[1]	Macro

2. Pre Application Check List

Site Selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?	Yes	**No**
If no explain why: Upgrade of existing site		
Was the industry site database checked for suitable sites by the operator:	Yes	**No**
If no explain why: Upgrade of existing site		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	October 2014
Name of Contact:	Chief Planning Officer
Summary of outcome/Main issues raised:	It was agreed that the LPA and Hutchison 3G UK Limited would adhere to the *10 Commitments*.

Pre-application consultation with LPA

Date of written offer of pre-application consultation:		
Was there pre-application contact:	Yes	**No**
Date of pre-application contact:		
Name of contact:		
Summary of outcome/Main issues raised: As the proposed development is considered a minimal addition to an existing site, it was deemed unnecessary to conduct any pre-application consultations.		

[1] Macro or Micro

Ten Commitments Consultation

Rating of Site under Traffic Light Model:	Red	Amber	**Green**
Outline Consultation carried out: The proposal was rated as GREEN, in accordance with the guidelines set within the code of best practice for telecommunication operators. Due to this rating, and the fact that the development is considered to be a minor alteration to an existing site, no consultation was deemed necessary.			
Summary of outcome/Main issues raised: N/A			

School/College

Location of site in relation to school/college: The proposed development is not located near to any school or college.
Outline of consultation carried out with school/college: As the proposed works are minor in nature and located away from any of the surrounding schools, it was deemed unnecessary to carry-out pre-application consultation prior to the submission of this application.
Summary of outcome/Main issues raised: N/A

Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator consultation (only required for an application for prior approval)

If this is a GPDO and the answer to the below is 'yes' you will need to submit an aerodrome notice. Please consult with SP.

Will the structure be within 3km of an aerodrome or airfield?	Yes	**No**
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified?	Yes	**No**
Details of response: N/A		

Developer's Notice

Copy of Developer's Notice enclosed?	**Yes**	No
Date served:		18/12/2014

3. Proposed Development

The proposed site:	
Telecommunications site, Birdwell Club, Sheffield Road, Sheffield, South Yorkshire, S70 5UY NGR: E 434445, N 401412	
Type of Structure : 15m Phase 5 monopole	
Description: Replacement of 15m phase 4 monopole with 15m phase 5 monopole with 1 no. additional equipment cabinet.	
Overall Height:	15m
Height of existing building :	NA
Equipment Housing: Individual dimensions: H3G SAMO	
Length	600mm
Width	600mm
Height	1800mm
Materials :	Steel
Tower/mast etc – type of material and external colour:	Galvanised
Equipment housing – type of material and external colour:	Grey

Reasons for choice of design:
The existing proposal provides 2G & 3G coverage to the local area of Birdwell. The new monopole and equipment cabinet will allow 'EE' and 'H3G' to provide improved coverage to the local area. The pole swap out will be a like for like structure and is considered to be the most appropriate solution. There will be no height increase and the proposed equipment cabinet will be located within the existing palisade compound.

4. Technical Information

ICNIRP Declaration attached International Commission on Non-Ionizing Radiation Protection public Compliance is determined by mathematical calculation and implemented by careful location of antennas, access restrictions and/or barriers and signage as necessary. Members of the public cannot unknowingly enter areas close to the antennas, where exposure may exceed the relevant guidelines. When determining compliance the emissions from all mobile phone	**Yes**	No

network operators on or near to the site are taken into account. In order to minimise interference within its own network and with other radio networks, Hutchison 3G UK Limited operates its network in such a way, that the radio frequency power outputs are kept to the lowest levels to commensurate with effective service provision. The proposed telecommunications infrastructure, which is the subject of this application, accords with all relevant legislation and as such will not cause significant and irremediable interference with other electrical equipment, air traffic services or instrumentation operated in the national interest.		

5. Technical Justification

Reason(s) why site required e.g. coverage, upgrade, capacity:
Purpose of proposed works The existing 'EE Limited' telecommunications site is an established telecommunications site, presently providing 2G and 3G network services to the customers in the local area of Birdwell. The proposed upgrade will improve the 2G & 3G coverage for the local area. The proposed phase 5 monopole is similar in appearance to the existing phase 4 monopole and there is no proposed height increase. The proposed equipment housing is discrete and well screened by the existing palisade fencing.

6. Site Selection Process – alternative sites considered and not chosen

If no alternative site options have been investigated, please explain why:
No alternative site options have been investigated, as the works proposed are the necessary upgrade of an existing site.
Additional relevant information:

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SUPPORTING STATEMENT

This statement forms part of an application on behalf of Hutchison 3G UK Limited. It has been prepared on accordance with the requirements of Section 42 of the Planning and Compulsory Purchase Act 2004 which requires the submission of a Design and Access Statement to accompany planning applications.

As an electronic communications network operator, Hutchison 3G UK Limited has the benefit of permitted development rights under Part 24 of Schedule 2 to the Town And Country Planning (General Permitted Development) Order 1995, as amended by the Town And Country Planning (General Permitted Development) (Amendment) (England) Order 2001, The Town and Country Planning (General Permitted Development) (Amendment) (England) Order 2013 and the Town and Country Planning (General Permitted Development) (Amendment) (No.2) (England) Order 2013.

This is an application for a determination as to whether the prior approval of the Authority will be required to the siting and appearance of the development.

The Application Site

The application site is located on the periphery of the small village of Birdwell. The village is located to the north and east of the site with the west typified by open fields that are bound by the M1 motorway. The village of Birdwell extends to the south of the site in a linear manner.

The Birdwell Club is tucked away behind a terrace of residential and commercial properties with the site barely visible from the A61 (Sheffield Road) which is a major arterial route for the area running north to the major conurbation of Barnsley.

The site is considered the optimal location for an upgrade development, increasing the quality of 2G & 3G coverage to the local area.



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Site Design and Appearance

Given the minimal change in appearance of the pole and the lack of any height increase, the swapping of the monopole is considered to be the most appropriate design solution for the site. The equipment cabinet represents a slimline addition that will be readily assimilated within the existing compound.

There are limited public vantage points in or around the site and it is contended that no visual harm will come about because of this upgrade solution.

Possible Electrical Interference

We can advise on behalf of our clients that the proposed installations should not cause any undue electrical interference for nearby residents. Hutchison 3G UK Limited operates within radio frequency bands which are licensed and specific to them, and this is regulated in the UK by the Office of Communications (Ofcom).

Health and Mobile Phone Base Stations

The Mobile Phones and Health Report (2000), by the *Independent Expert Group on Mobile Phones* under the chairmanship of Professor Sir William Stewart (the *Stewart Report*) concluded that "the balance of evidence indicates that there is no general risk to the health of people living near to base stations on the basis that exposures are expected to be small fractions of the guidelines".

The Stewart Report recommended that, as a precautionary approach, the *International Commission on Non-Ionizing Radiation Protection* (ICNIRP) guidelines for public exposure be adopted in the UK. In response to the report, Government has stated that emissions from base stations should meet the ICNIRP guidelines and that if they do then local authorities need take no further action.

One of the recommendations of the Stewart Report was to establish a research programme to address uncertainties regarding mobile phone base stations and health. This programme was called the Mobile Telecommunications and Health Research (MTHR) Programme. The final report from this programme was published in February 2014. The report noted that the research conducted found no evidence of biological or adverse health effects from the radio waves produced by mobile phones or their base stations.

In June 2011 the World Health Organisation (WHO) noted that

> *"..A large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use.."*
>
> WHO factsheet 193: Electromagnetic fields and public health: mobile telephones

In April 2012 the Health Protection Agency's independent *Advisory Group on Non-ionising Radiation* (AGNIR) published a report entitled "Health Effects from Radiofrequency Electromagnetic Fields". This report concluded that there is no convincing evidence that mobile phone technologies cause adverse effects on human health. In addition, AGNIR found that although a substantial amount of research has been conducted, there is no convincing evidence that RF field exposure below the internationally agreed guideline levels applied in the UK causes health effects in adults or children.

All Hutchison 3G UK Limited installations are designed, constructed and operated in compliance with the precautionary ICNIRP public exposure guidelines. An ICNIRP certificate is provided as part of this application.

Noise

There will be no noise issues related to this site.

Planning Policy Framework / Development Plan Policy

Barnsley Council have adopted their Core Strategy but are still in the process of preparing the Development Plan Policies documents, for the time being they rely on a number of saved policies within the Saved Unitary Development Plan.

Policy UTL5 concerns telecommunications development. It states;

> **Policy UTL5**
>
> HAVING REGARD TO THE SPECIAL OPERATIONAL NEEDS OF LICENSED OPERATORS PROPOSALS FOR TELE-COMMUNICATIONS DEVELOPMENT INCLUDING THE ERECTION OF RADIO, TELEVISION, CELLULAR AND PERSONAL COMMUNICATIONS NETWORK MASTS AND ANTENNAE WILL BE ASSESSED WITH REGARD TO THE FOLLOWING FACTORS :
>
> A) THE APPROPRIATENESS OF THE SPECIFIC LOCATION HAVING REGARD TO THE EFFECT ON THE LANDSCAPE/TOWNSCAPE, THE VISUAL AMENITY OF THE IMMEDIATE AREA AND THE WIDER AREA FROM WHICH THE PROPOSAL WOULD BE VISIBLE, AND OPERATIONAL EFFICIENCY
>
> B) THE POSSIBILITY OF ERECTING ANTENNAE OR OTHER APPARATUS ON AN EXISTING BUILDING, MAST OR OTHER STRUCTURE AS A POSSIBLE ALTERNATIVE TO THE ERECTION OF A LARGE MAST
>
> C) THE PRESENCE OF OTHER TELECOMMUNICATIONS FACILITIES WITHIN AND AROUND THE SITE
>
> D) THE NEED TO INCLUDE ADDITIONAL STRUCTURAL CAPACITY TO TAKE ACCOUNT OF THE GROWING DEMANDS FOR THE NETWORK DEVELOPMENT INCLUDING THAT OF OTHER OPERATORS.
>
> ANY DEVELOPMENT SHOULD BE SITED AND DESIGNED SO AS TO MINIMISE ITS VISUAL IMPACT SUBJECT TO TECHNICAL AND OPERATIONAL CONSIDERATIONS.

Clearly the location of the site is appropriate given the existing base station. The height of the pole will not be increasing and the only addition to the station will be a slimline cabinet that is well screened from public view by the palisade fencing. The upgrading of an existing base station is considered to be the most appropriate and sensitive solution when seeking to improve the coverage for a local area.

The application is considered to be compliant with the unitary Development Plan.

National Planning Policy

The National Planning Policy Framework (NPPF) was published on 27th March 2012. The NPPF supports high quality communications infrastructure and recognises it as a strategic priority.

At paragraph 42 it states: *"Advanced, high quality communications infrastructure is essential for sustainable economic growth. The development of high speed broadband technology and other communications networks also plays a vital role in enhancing the provision of local community facilities and services."*

Paragraph 44 states *"local planning authorities should not impose a ban on new telecommunications development in certain areas, impose blanket Article 4 directions over a wide area or a wide range of telecommunications development or insist on minimum distances between new telecommunications development and existing development".*

The NPPF goes on to state at paragraph 46 that: *"Local planning authorities must determine applications on planning grounds. They should not seek to prevent competition between different operators, question the need for the telecommunications system, or determine health safeguards if the proposal meets International Commission guidelines for public exposure."*

As recommended by NPPF paragraphs 42, 43, 46 and 115, mobile phone base stations play an important part of community amenities. The proposed works meet the guidelines of the International Commission on Non-ionising Radiation Protection (ICNIRP). An ICNIRP certificate has been attached with the application, in this regard. Other sites have not been identified as it is an upgrade of an existing base station. The proposed works are of a minor nature and do not cause any harm to the landscape. It is therefore considered, that the proposed development fully adheres to the guidance contained within the NPPF.

Code of Best Practice on Mobile Network Development

The *Code of Best Practice* (first published November 2002, revised July 2013) is produced jointly by all Mobile Phone Operators and representatives of Central and Local Government. It provides clear and practical advice to ensure the delivery of significantly better and more effective communication and consultation between operators, local authorities and local residents.

Though the Code is a non-statutory document, as it was prepared jointly by representatives of central and local government and the mobile phone industry, it is considered to be a material consideration in this case.

General siting and design principles for all telecommunications installations are provided in Appendix B of the Code. The principles exist subject to the following variables:

> *"..site conditions, technical constraints, landscape features and coverage and capacity requirements".*

Appendix B echoes the NPPF's emphasis on the re-development or sharing of existing telecoms sites as a means of reducing the number of such sites to the minimum consistent with the efficient operation of the network.

Conclusions

National planning policy aims to facilitate the growth of new and existing telecommunications systems and operators have obligations to meet customer demands for improved quality of service. This application details the technical need for the replacement and installation of apparatus, to provide improved customer service for customers of Hutchison 3G UK Limited.

Hutchison 3G UK Limited has identified that this upgrade is required to improve the service provided and to meet the demands of customers in this area. The proposed installation represents both the optimum planning/environmental and technical solution in this instance. As such, the development as proposed is in accordance with the National Planning Policy Framework as defined above.

For the reasons set out above in the report, we consider that this application should be approved.

RELATED DOCUMENTS

The following documents may be of assistance in determining this application:

- NPPF (March 2012)
- Code of Best Practice on Mobile Phone Network Development – www.odpm.gov.uk
- Office of Communications (Ofcom) – www.ofcom.org.uk
- Barnsley Unitary Development Plan

Contact Details

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