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10 August 2012

Attn: Carl Ewin
Tablelands Regional Council
PO Box 573
ATHERTON QLD 4883

THE ORIGINAL OF THIS DOCUMENT
CAN BE FOUND ON PHYSICAL FILE
.....MCU/12/0012.....
LOCATION:.....planning.....



File Ref: MCU/12/0012

Dear Carl,

Consultation Plan for Proposed NBN Fixed Wireless Base Station at Euluma Creek Road, Julatten QLD 4871 (Lot 1 on RP719688).

NBN Co has engaged Ericsson as the equipment vendor and project manager to establish the infrastructure required to facilitate the fixed radio (wireless) component of the National Broadband Network. Ericsson has in turn engaged Aurecon to undertake preliminary environmental, design and site acquisition investigations in relation to the establishment of the required radio network base station infrastructure.

Ericsson on behalf of NBN Co is proposing to establish a new radio network base station at the above location utilising advanced technology to provide high quality wireless broadband services to customers in the Julatten area. Fixed Wireless provides broadband services over the air from a radio network base station to an antenna and network box installed at a certain home or business

At Julatten, NBN Co proposes to construct one (1) new 35m monopole, and install three (3) panel antennas (1.18m long) and one (1) parabolic dish antenna (0.6m in diameter). Associated radio equipment is proposed to be housed in small cabinets located at the base of the facility.

In this instance, the proposed infrastructure can be classified as Code Assessable Development under the provisions of *Mareeba Shire Planning Scheme 2004* and as such requires planning approval from Council. Attachment A provides the proposal plans.

As part of the application process, we are intending to notify and consult with the following parties about the proposal:

- Residential properties by way of mail out as indicated on the map (see Attachment C)
- State and Federal Members of Parliament
- Other Interested and affected parties

Desktop research and further on site investigations have been undertaken to identify all relevant stakeholders and this is captured in our draft consultation plan (see Attachment C). If the Council is aware of any specific community or other interest groups active in the locality that may have an interest in the proposal it would be appreciated if you would advise their contact details and we will notify them of the proposal

In addition to notifying the above stakeholders, to ensure we capture a more extensive area of the community we will also undertake the following:

- Place an public notice and invitation to community information session in *Mareeba Express* on 15th August 2012.

- Undertake a community information session at Geraghty Park Hall (Mossman-Mt Molloy Rd, Julatten) on 28th August with sessions 2-4pm and 6-8pm

The plans for this proposal and the Environmental Electromagnetic Energy (EME) report are provided as Attachments B and C respectively. The estimated EME levels from the proposed site are calculated in accordance with the ARPANSA prediction report methodology and are represented as a percentage of the standard based on maximum cumulative levels.

You will note that the proposal will operate at well below these levels which is consistent with other like facilities that generally tend to operate many hundreds and sometimes thousands of times below the allowable standard. If you would like further information on the topic of EME we recommend you visit <http://www.who.int/peh-emf/en/> and <http://www.arpansa.gov.au/>.

Should Council wish to provide comments in relation to the enclosed Consultation Plan (Attachment C), please do not hesitate to call Claire Harris on (07) 3173 8738 if you have any further queries.

Yours sincerely



James Irwin
Project Leader

Attachments

- | | |
|--|----------------|
| A. Plans of the proposal | 5 pages |
| B. Environmental EME Report (ARPANSA Format) | 3 pages |
| C. Proposed Consultation Plan | 4 pages |

Attachment A - Plans of the Proposal

SITE LOCATION



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SITE CO-ORDINATES

| MONOPOLE LOCATION | |
|--------------------|------------|
| DATUM: MGA (GDA94) | ZONE: 55 |
| LATITUDE | -16.60393° |
| LONGITUDE | 145.34457° |
| EASTING | 323 404 |
| NORTHING | 8 163 530 |

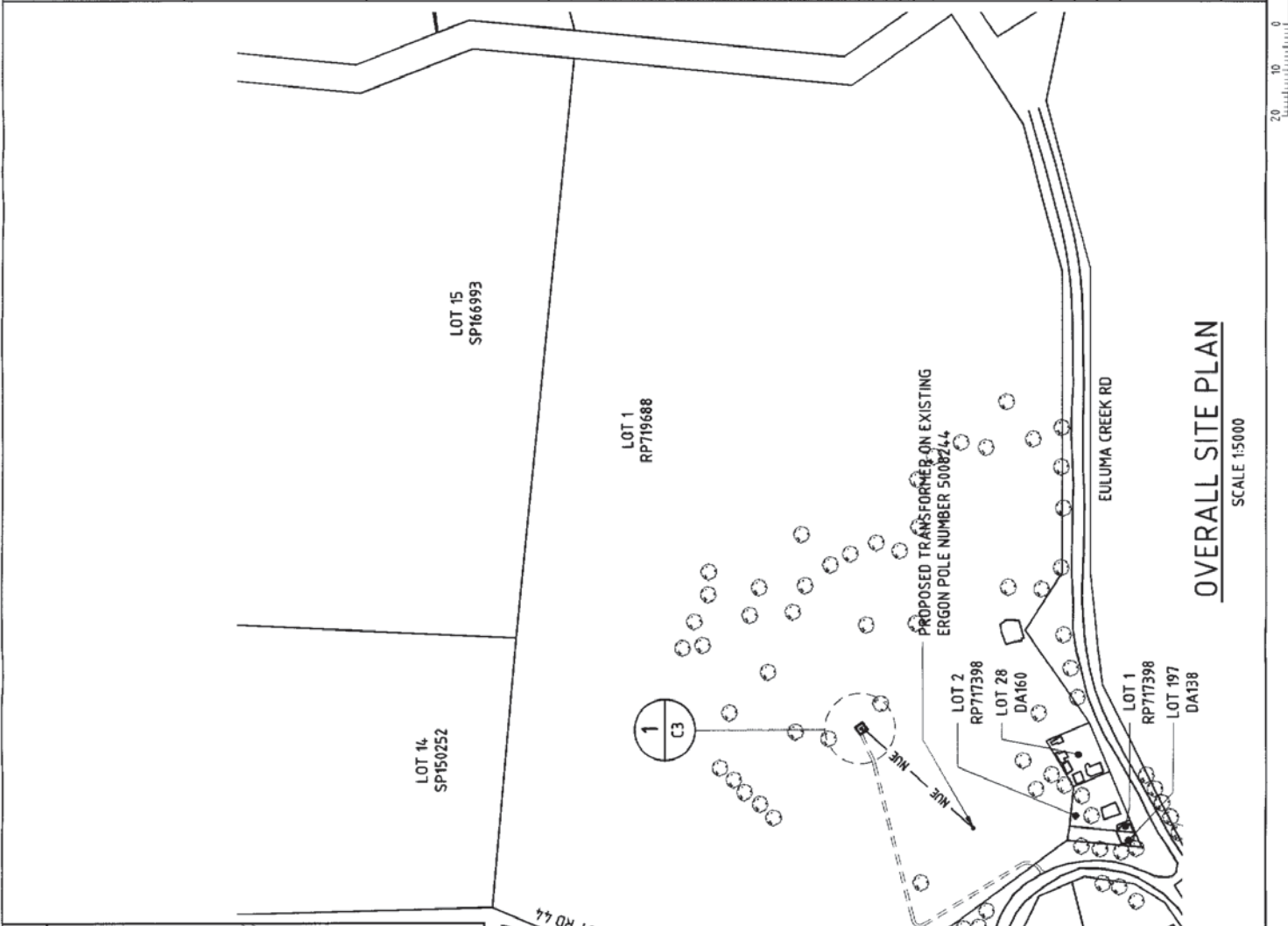
SERVICES LEGEND

- NUE — NBN UNDERGROUND ELECTRICAL LINES
- A E — AERIAL ELECTRICAL LINES
- ec — FINAL ELECTRICAL CIRCUITS IN 2x50Ø HDPVC UNDERGROUND ELECTRICAL CONDUIT
- / — / — PROPERTY FENCE/BOUNDARY

NOTE:

1. REFER STANDARD DRAWING NBN-STD-0026 FOR CONDUITS DEPTHS AND COVER AND FOR CLEARANCE FROM OTHER CARRIERS AND SERVICES.
2. THE NBN SUB-MAIN ROUTE SHOWN ON THE DRAWINGS IS INDICATIVE ONLY. ELECTRICAL CONTRACTOR TO DETERMINE EXACT ROUTE. ELECTRICAL CONTRACTOR TO LOCATE AND IDENTIFY EXISTING U/G SERVICES PRIOR TO COMMENCEMENT OF WORK.

| | | | | |
|----------------|----------------|---|--------------------|--|
| <p>Client:</p> | <p>Client:</p> | <p>Project:</p> <p>NATIONAL BROADBAND NETWORK</p> <p>SITE No: 4PDS-5104</p> <p>JULATTEN SOUTH</p> <p>EULUMA CREEK ROAD</p> <p>JULATTEN</p> <p>QLD, 4871</p> | <p>PRELIMINARY</p> | <p>Revision</p> <p>4PDS-5104-C2 03</p> |
|----------------|----------------|---|--------------------|--|



OVERALL SITE PLAN

SCALE 1:5000



Client:



Client:



Client:

Project:

NATIONAL BROADBAND NETWORK
 SITE No: 4PDS-5104
 JULATTEN SOUTH
 EULUMA CREEK ROAD
 JULATTEN
 QLD, 4871

PRELIMINARY

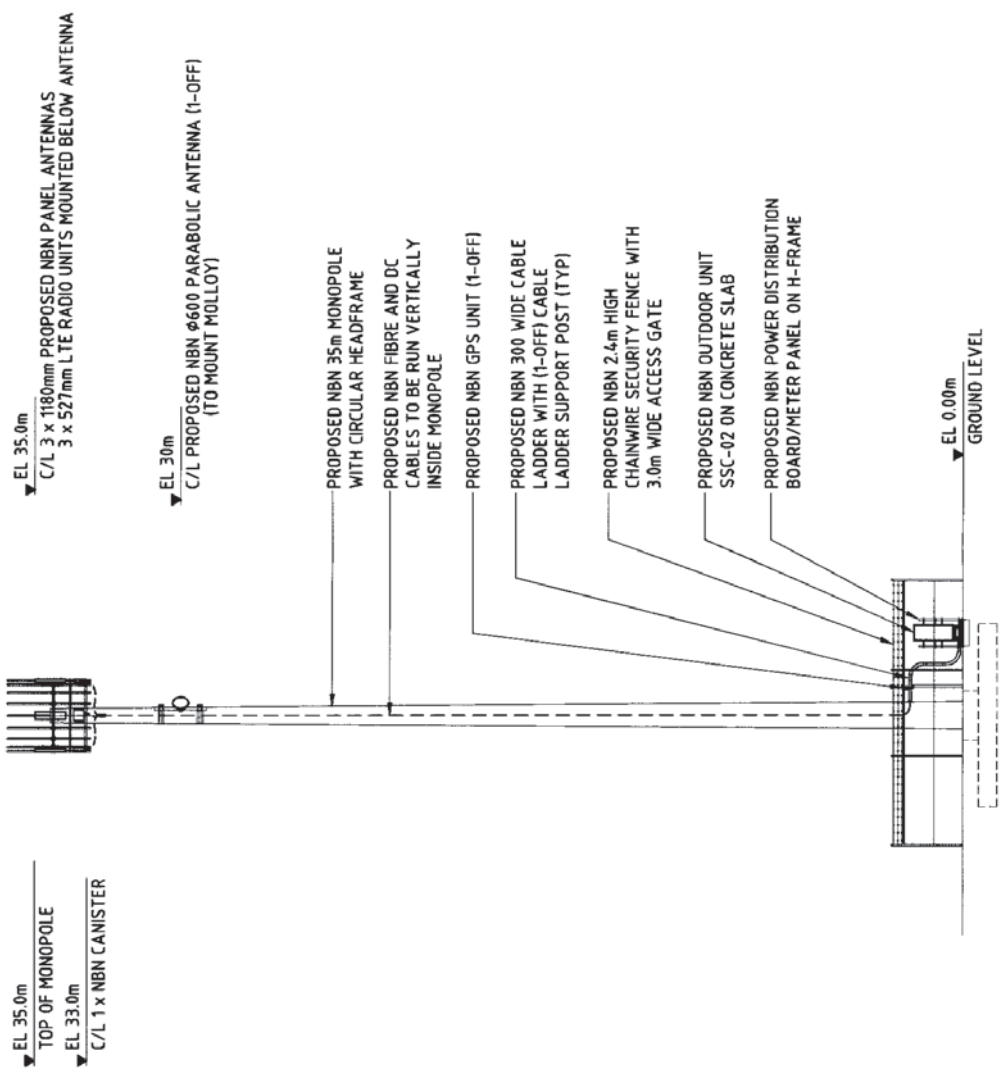
13 23.03.12 PRELIMINARY ISSUE UPDATED
 02 28.04.12 PRELIMINARY ISSUE UPDATED
 01 01.11.17 PRELIMINARY ISSUE
 Rev Date Revision Details



CAD: MH
 CHECKED: RL
 APPROVED: JI

Drawing Title
**SITE ELEVATION
 AND DETAILS**

Drawing No
4PDS-5104-C4
 Revision
03



NORTH WEST ELEVATION
 SCALE 1:200

Attachment B – Environmental EME Report

Summary of Estimated RF EME Levels around the Proposed Wireless Base Station at Julatten South Euluma Creek Rd, Julatten QLD 4871

Introduction:

Date 30/6/2012

NSA Site No (4871112)

This report summarises the estimated maximum cumulative radiofrequency (RF) electromagnetic energy (EME) levels at ground level emitted from the existing wireless base station antennas at Julatten South Euluma Creek Rd Julatten QLD 4871. Maximum EME levels are estimated in 360° circular bands out to 500m from the base station. The procedures for making the estimates have been developed by the Australian Radiation Protection And Nuclear Safety Agency (ARPANSA)¹. These are documented in the ARPANSA Technical Report; "Radio Frequency EME Exposure Levels - Prediction Methodologies" which is available at <http://www.arpansa.gov.au>

EME Health Standard

ARPANSA, an Australian Government agency in the Health and Ageing portfolio has established a Radiation Protection Standard² specifying limits for continuous exposure of the general public to RF transmissions at frequencies used by wireless base stations. Further information can be gained from the ARPANSA web site.

The Australian Communications and Media Authority (ACMA)³ mandates exposure limits for continuous exposure of the general public to RF EME from wireless base stations. Further information can be found at the ACMA website <http://emr.acma.gov.au>

Existing Site Radio Systems There are currently no existing radio systems for this site.

Proposed Site Radio Systems

| | | | |
|--------------------------------|--|--|--|
| NBN Co / LTE2300 (proposed) | | | |
|--------------------------------|--|--|--|

Table of Predicted EME Levels – Proposed

| Distance from the antennas at Julatten South Euluma Creek Rd in 360° circular bands | Maximum Cumulative EME Level – All carriers at this site (% of ARPANSA exposure limits ²) Public exposure limit = 100% |
|--|--|
| 0m to 50m | 0.0035% |
| 50m to 100m | 0.0034% |
| 100m to 200m | 0.0022% |
| 200m to 300m | 0.01% |
| 300m to 400m | 0.012% |
| 400m to 500m | 0.011% |
| Maximum EME level 375.16 m, from the antennas at Julatten South Euluma Creek Rd | 0.012% |

Note: Estimation for the maximum level of RF EME at 1.5m above the ground from the existing and proposed antennas assuming level ground. The estimated levels have been calculated on the maximum mobile phone call and data capacity anticipated for this site. This estimation does not include possible radio signal attenuation due to buildings and the general environment. The actual EME levels will generally be significantly less than predicted due to path losses and the base station automatically minimising transmitter power to only serve established phone calls and data transmissions⁵. Where applicable, particular locations of interest in the area surrounding the base station, including topographical variations, are assessed in Appendix A "Other areas of Interest" table on the last page.

Summary – Proposed Radio Systems

RF EME levels have been estimated from the existing and proposed antennas at Julatten South Euluma Creek Rd Julatten QLD 4871 . The maximum cumulative EME level at 1.5 m above ground level is estimated to be 0.012 % of the ARPANSA public exposure limits.

Reference Notes:

1. The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) is a Federal Government agency incorporated under the Health and Ageing portfolio. ARPANSA is charged with responsibility for protecting the health and safety of people, and the environment, from the harmful effects of radiation (ionising and non-ionising).
2. Australian Radiation Protection and Nuclear Safety Agency (ARPANSA), 2002, 'Radiation Protection Standard: Maximum Exposure Levels to Radiofrequency Fields — 3 kHz to 300 GHz', Radiation Protection Series Publication No. 3, ARPANSA, Yallambie Australia. [Printed version: ISBN 0-642-79400-6 ISSN 1445-9760] [Web version: ISBN 0-642-79402-2 ISSN 1445-9760]
3. The Australian Communications and Media Authority (ACMA) is responsible for the regulation of broadcasting, radiocommunications, telecommunications and online content. Information on EME is available at <http://emr.acma.gov.au/>
4. The EME predictions in this report assume a near worst-case scenario including:
 - wireless base station transmitters for mobile and broadband data operating at maximum power (no automatic power reduction)
 - simultaneous telephone calls and data transmission.
 - an unobstructed line of sight view to the antennas.In practice a worst-case scenario is rarely the case. There are often trees and buildings in the immediate vicinity, and cellular networks automatically adjust transmit power to suit the actual user traffic. The level of EME may also be affected where significant landscape features are present and predicted EME levels might not be the absolute maximum at all locations.
5. Further explanation of this report may be found in "Understanding the ARPANSA Environmental EME Report" and other documents on the ARPANSA web site, <http://www.arpansa.gov.au>

Appendix A

Table of Other Areas of Interest

| Additional Locations | Height / Scan relative to location ground level | Maximum Cumulative EME Level All Carriers at this site (% of ARPANSA exposure limits ²) Public exposure limit = 100% |
|-------------------------|---|---|
| Residential Dwelling 1 | 0m to 3m | 0.0085% |
| Residential Dwelling 2 | 0m to 3m | 0.016% |
| Julatten Primary School | 0m to 3m | 0.0082% |

Note: Estimation for the maximum EME levels at selected areas of interest over a height range relative to the specific ground level at the area of interest. This table includes any existing and proposed radio systems.

Estimation Notes / Assumptions – Other Areas of Interest

Variable ground topography has been included in the assessment of the "Other Areas of Interest" as per ARPANSA methodology
Insert other data / notes as required

Attachment C – Proposed Consultation Plan

Consultation Plan

Site Details

| | |
|-----------------------------------|--|
| Site Name: | Julatten South |
| Site Address: | Euluma Creek Road, Julatten QLD 4871 (Lot 1 on RP719688) |
| Council: | Tablelands Regional Council |
| What is proposed? | New NBN Co Communication Facility – 35m Monopole |
| Why is this site required? | For the implementation of the Fixed Wireless National Broadband Network. |

Stakeholder Analysis

| | |
|--|--|
| How were the community sensitive locations determined? | This was achieved through the following actions: <ul style="list-style-type: none">• Desktop analysis• Onsite evaluations• Council consultation |
| What are the desired outcomes from the Stakeholder Analysis? | To inform and notify the community of the proposal and provide an opportunity for all stakeholders to comment. |
| How do you intend to respond to feedback from interested parties? | This will be achieved through the following actions: <ul style="list-style-type: none">• Electronic correspondence• Phone enquiries• Written response After the submission period concluded, Council will receive a summary of submissions (if any) and our responses. |

Consultation Details

| Identified Stakeholder | Stakeholder Details | How |
|---|--|---|
| <ul style="list-style-type: none"> - All – (Public Notification) - Persons who reside in the immediate vicinity as identified in the Notification Map - Other Community Stakeholders - Occupiers of Sensitive Locations in vicinity of Site | <ul style="list-style-type: none"> - General public - Nearby residential dwellings - Adjoining landowners - Julatten State School - Julatten State School P&C | <p>Letterbox Drop Information, to include:</p> <ul style="list-style-type: none"> • the address of the proposed site; • a description of the proposal; • the rationale for the proposal; • whether or not the Carrier considers the proposal is low impact; • any key dates (e.g. submission dates, construction dates); • An invitation and timeframe for making submissions on the proposed work (15 working days) • an ARPANSA EME report for the proposal; • phone and email address for more information or making a submission. <p>Notice in Newspaper and School Newsletter to typically include:</p> <ul style="list-style-type: none"> • Overview of proposal • Overview to consultation process • Carrier's phone contact for enquiries to the proposal • An invitation and timeframe for making submissions on the proposed work • An invitation to attend the community information session (to be held on 28th August) |
| <p>Council (and Adjacent Council if applicable)</p> | <p>Tablelands Regional Council</p> | <p>Letter to council including:</p> <ul style="list-style-type: none"> • Intended actions regarding community consultation. • Statement of compliance with Australian Communications and Media Authority (ACMA) Electromagnetic Radiation (EMR) regulations • Report on estimated EME levels (ARPANSA format) • References to information on radio emissions • Phone contact for enquiries to the proposal <p>A subsequent letter summarising the outcome of the consultation activities after the consultation period and prior to commencement of construction activities on site.</p> |

Notification Map



Justification of Distance for letterbox notification

The proposed consultation area is over 1500m and an additional public notice and invitation to community information session (to be held on the 28th August) will be in the Mareeba Express for those that do not receive letters.

Summary of Proposed Consultation Timeline

| Date | Activity |
|----------|---|
| 01/08/12 | Undertake Stakeholder Analysis |
| 10/08/12 | Consultation with council |
| 15/08/12 | Commence Public Consultation (letters) with Interested and affected Parties |
| 15/08/12 | Public notification and invitation to community information session in the Mareeba Express newspaper |
| 28/08/12 | Community Information Sessions at Geraghty Park Hall (Mossman Mt Molloy Rd, Julatten) 2-4pm and 6-8pm |
| 04/09/12 | Community consultation period closes |
| 10/09/12 | Submission of Final Community Consultation report to council |