

Monica Niehof

From: Monica Niehof
Sent: 16 April 2012 04:06 PM
To: 'rosa@classic-cleaning.co.uk'
Subject: 120416 21165 Vintage Str - Gaut: 002/11-12/E0249 - EIA Application

Dear Madam,

You have been registered as an interested and affected party regarding the proposed establishment of a **64m²** enclosed telecommunication base station for Vodacom (Pty) Ltd with a **30m** mast and equipment container(s) on **REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ To be known as: Erf 1559 Wilgeheuwel Extension 36.**

The applicant, Vodacom (Pty) Ltd, have appointed us as Environmental Assessment Practitioner (EAP) to do a study of various environmental impacts the placement of a mast, as the listed activity – Activity 3, may have in terms of fauna, flora, visual, audio, geography etc. on the receiving and surrounding environment. One of these factors is to inform the public in the vicinity of the development and solicit their comments. All factors, including public comment, amongst others your support or objections, are then compiled into a basic assessment report submitted to the provincial government or, as the National Environmental Management Act (NEMA) names them, the competent authority being the Gauteng Department of Agriculture and Rural Development. They will consider all aspects of the basic assessment report and they will then decide to grant environmental authorisation or not.

It must be clear that neither Vodacom nor the appointed EAP make the decision to grant the said authorisation, yes or no. The competent authority does. Should environmental authorisation be granted further authorisation must be obtained at the local authority for approval of building plans and related permits.

Public participation is a process in which potential interested and affected parties are given the opportunity to comment on, or raise issues relevant to specific matters. These comments and issues form part of the total consideration by the competent authority i.e. the Gauteng Department of Agriculture and Rural Development. It should however be understood that the competent authority is also guided by several other authorities, policies and facts in order to make their decision to grant environmental authority or not.

With regard to your submitted issue, we want to highlight this consideration:

1. We agree that the visual impact is the most prominent aspect of a telecommunication mast. Much is done to avoid the proliferation of masts. The suggested position is considered the best position to maintain telecommunication infrastructure and several site alternatives have been investigated without success. Structural design options have been assessed to mitigate visual impact.

We trust that the above assist in obtaining further insight in what is proposed and what shall be considered with regard to the application. Should you need any further information please do not hesitate to contact us.

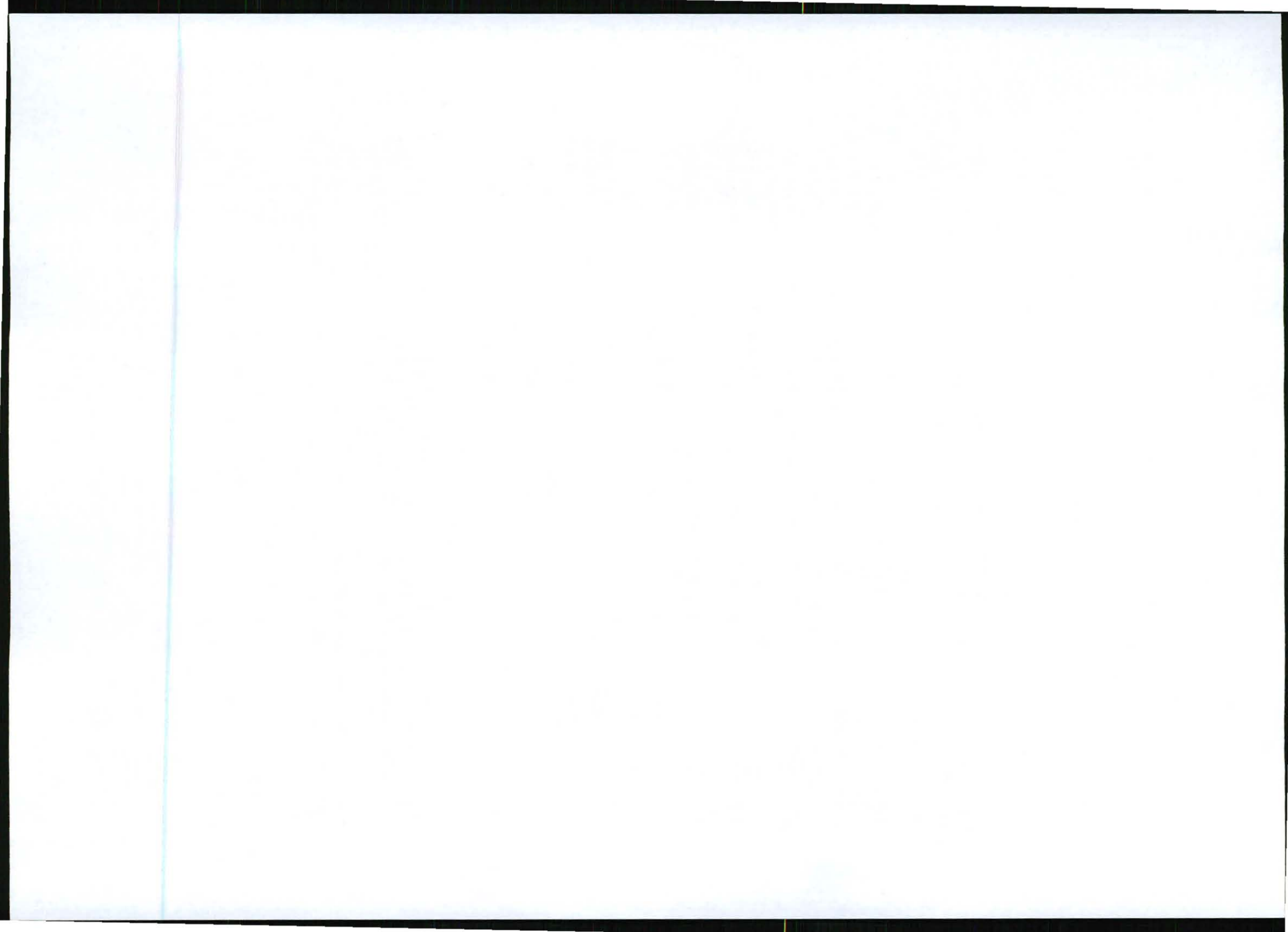
Kind regards,

Monica Niehof



Torbious Solutions CC
114 Rustic Road, Silvertondale 0154
PO Box 32017, Totusdal 0154
e-mail: admin@torbiousolutions.co.za

Reg. No. 2001/0080535/23
Tel: (012) 804 1504/6
Fax: (012) 804 7072

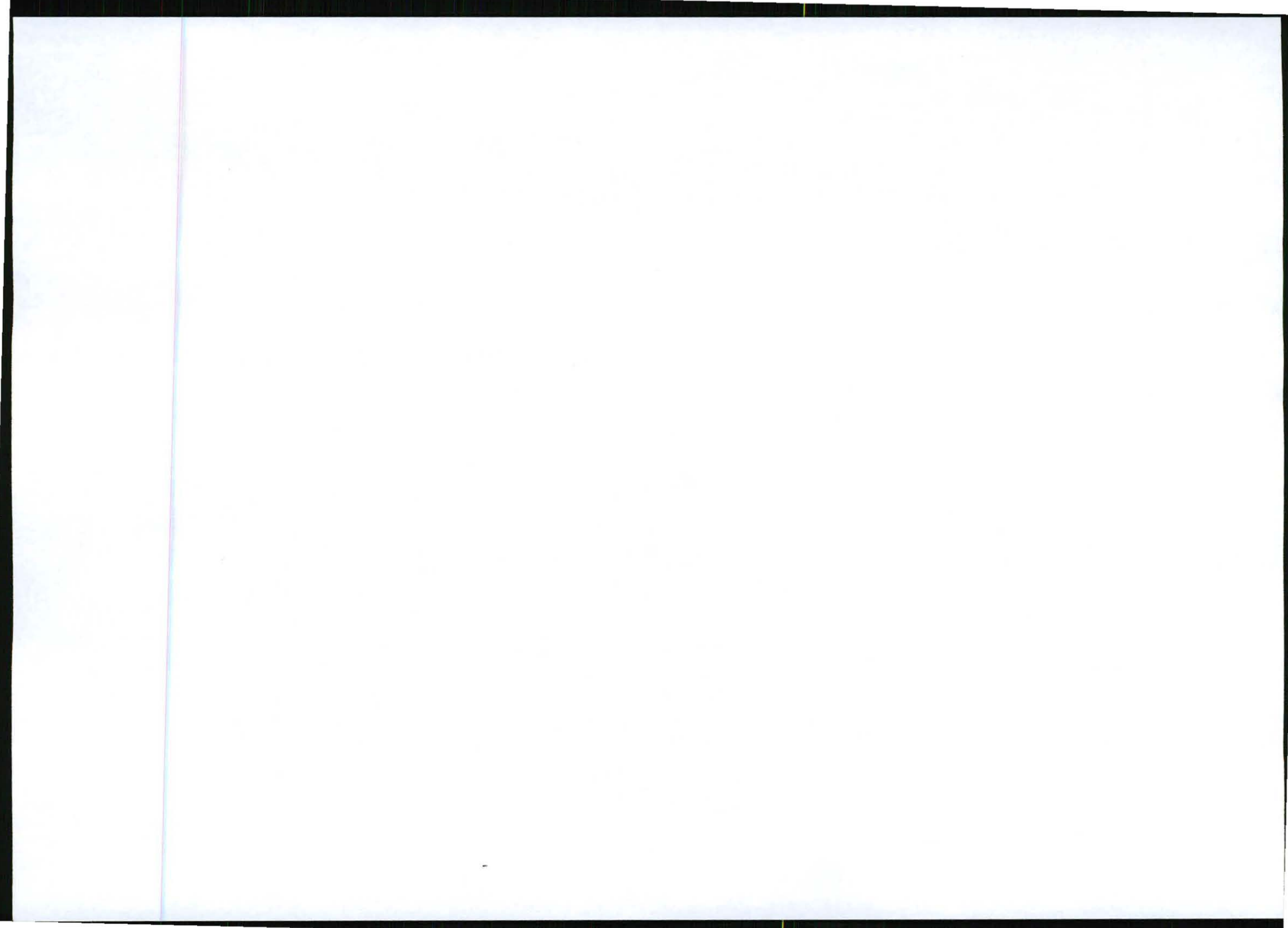


Monica Niehof

From: Rosa Machado [rosa@classic-cleaning.co.uk]
Sent: 03 April 2012 10:16 AM
To: Beverley Schöpf; Beverley Schöpf
Subject: Read: 120403 21165 - Objection Reply
Attachments: ATT04934.txt

This is a receipt for the email message you sent to <rosa@classic-cleaning.co.uk> at 03/04/2012 08:41

This receipt verifies that the message has been displayed on the recipient's computer at 03/04/2012 09:00

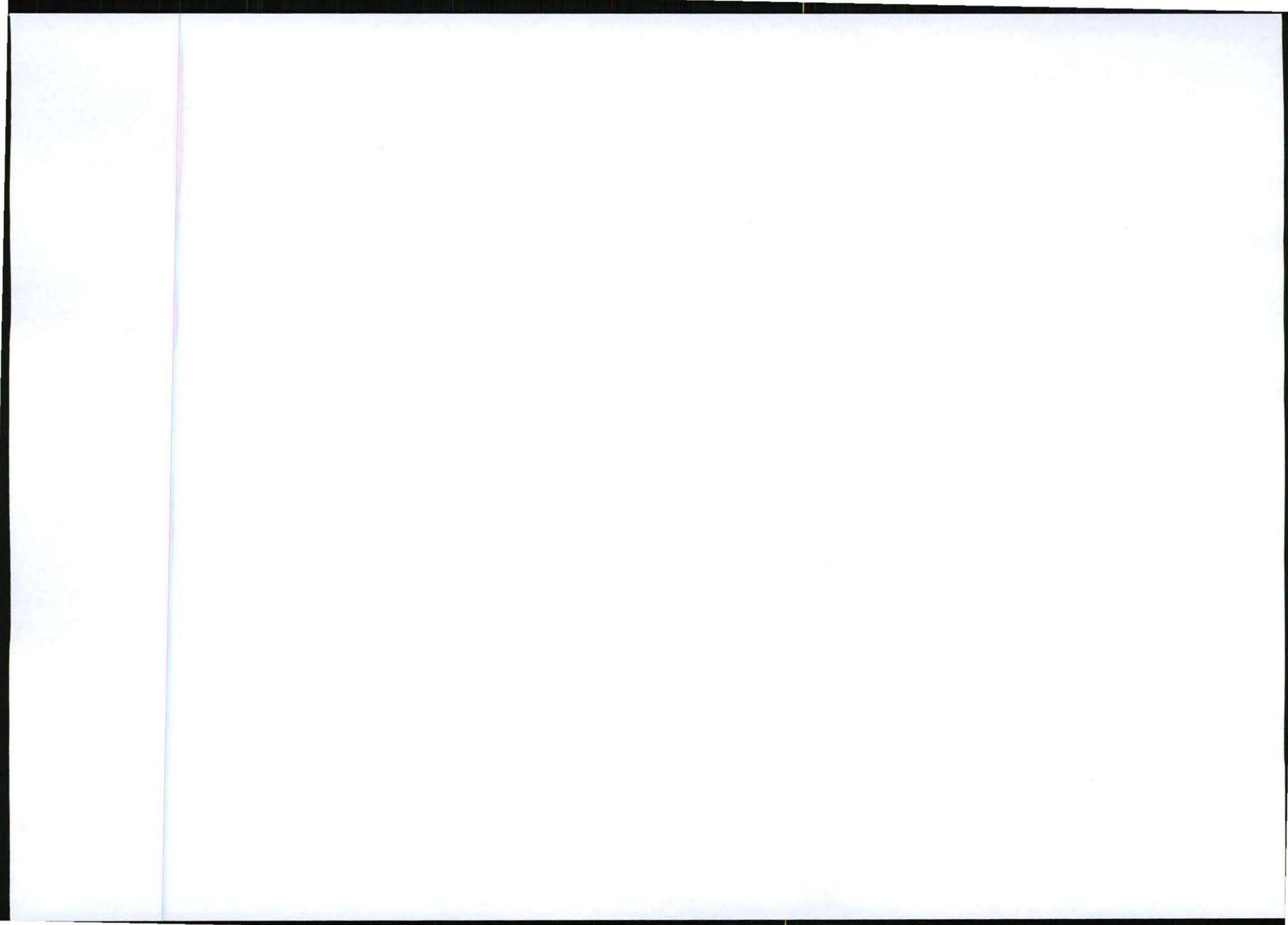


ATT04934.txt

Final-Recipient: rfc822;beverley@infraplan.co.za

Original-Message-ID: <C54778BB944C754B92FBE729569E733363A2A2@INFRAPLANSRV.infraplan.local>

Disposition: manual-action/MDN-sent-manually; displayed



Monica Niehof

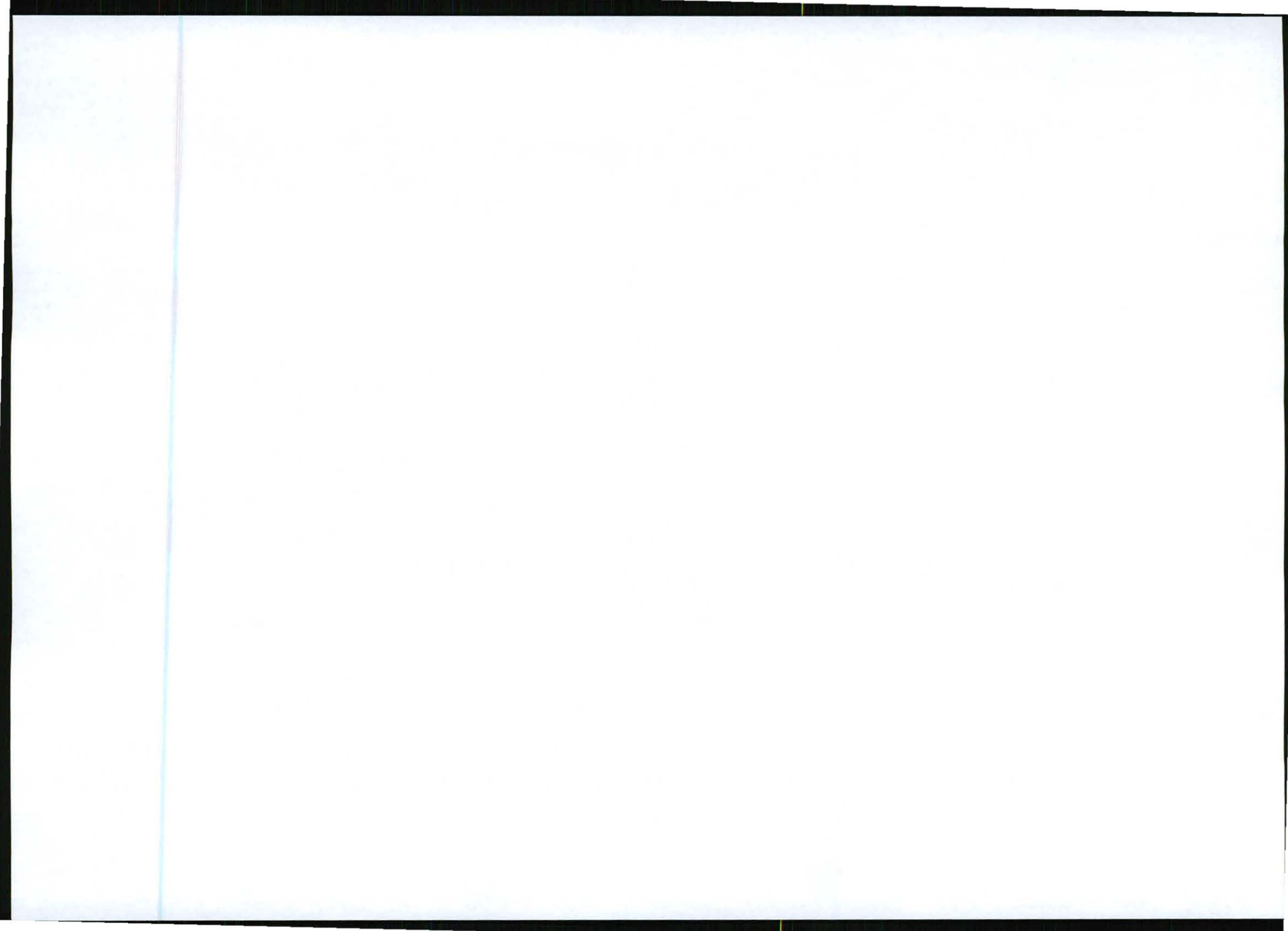
From: Mail Delivery System [MAILER-DAEMON@wnls-smtp4.wa.co.za]
Sent: 03 April 2012 09:46 AM
To: Beverley Schöpf
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host wnls-smtp4.wa.co.za.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

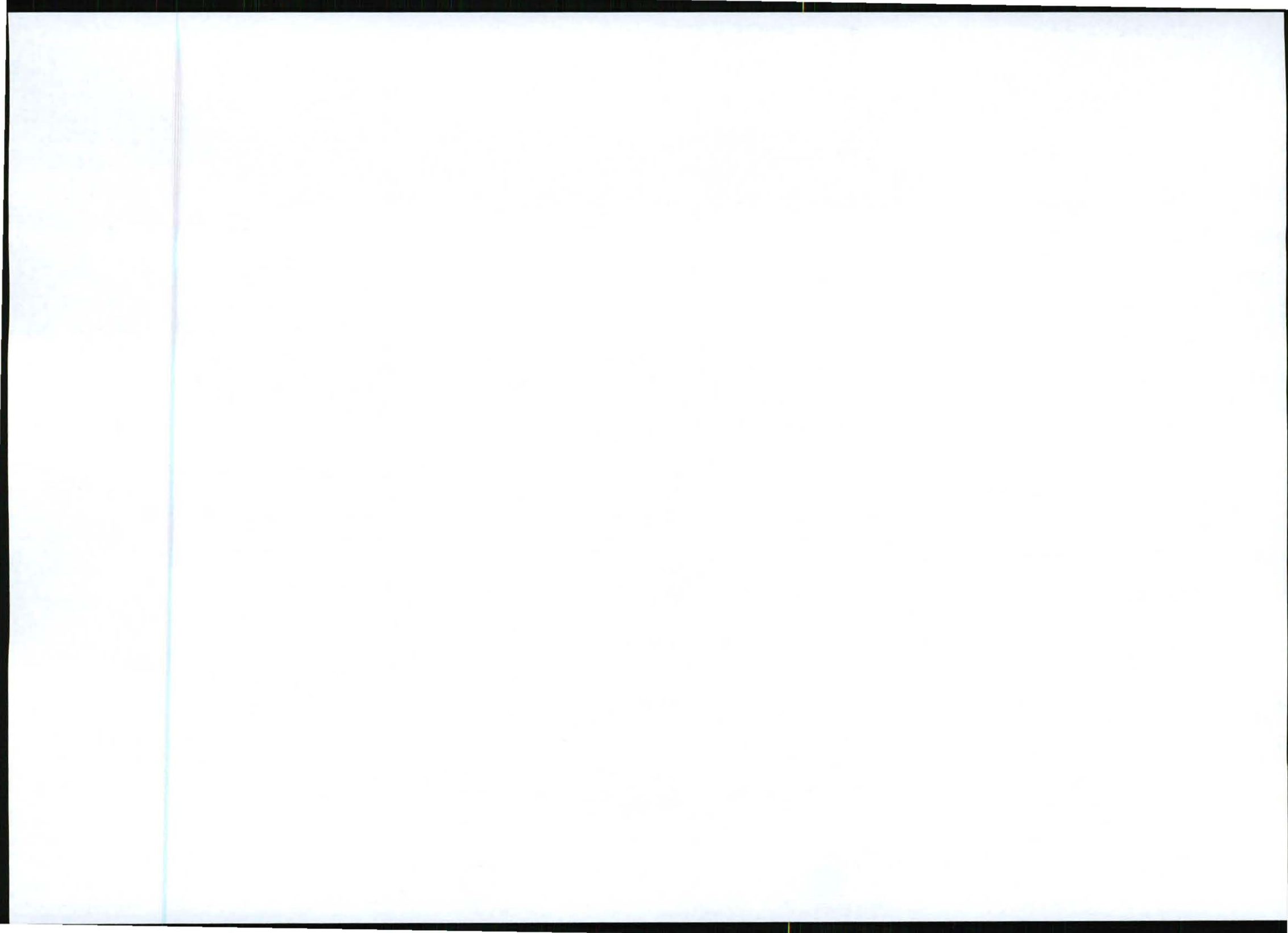
<rosa@classic-cleaning.co.uk>: delivery via
classic-cleaning.co.uk[109.73.162.171]:25: 250 OK id=1SEyPf-0001Fo-2D



Delivery report.txt

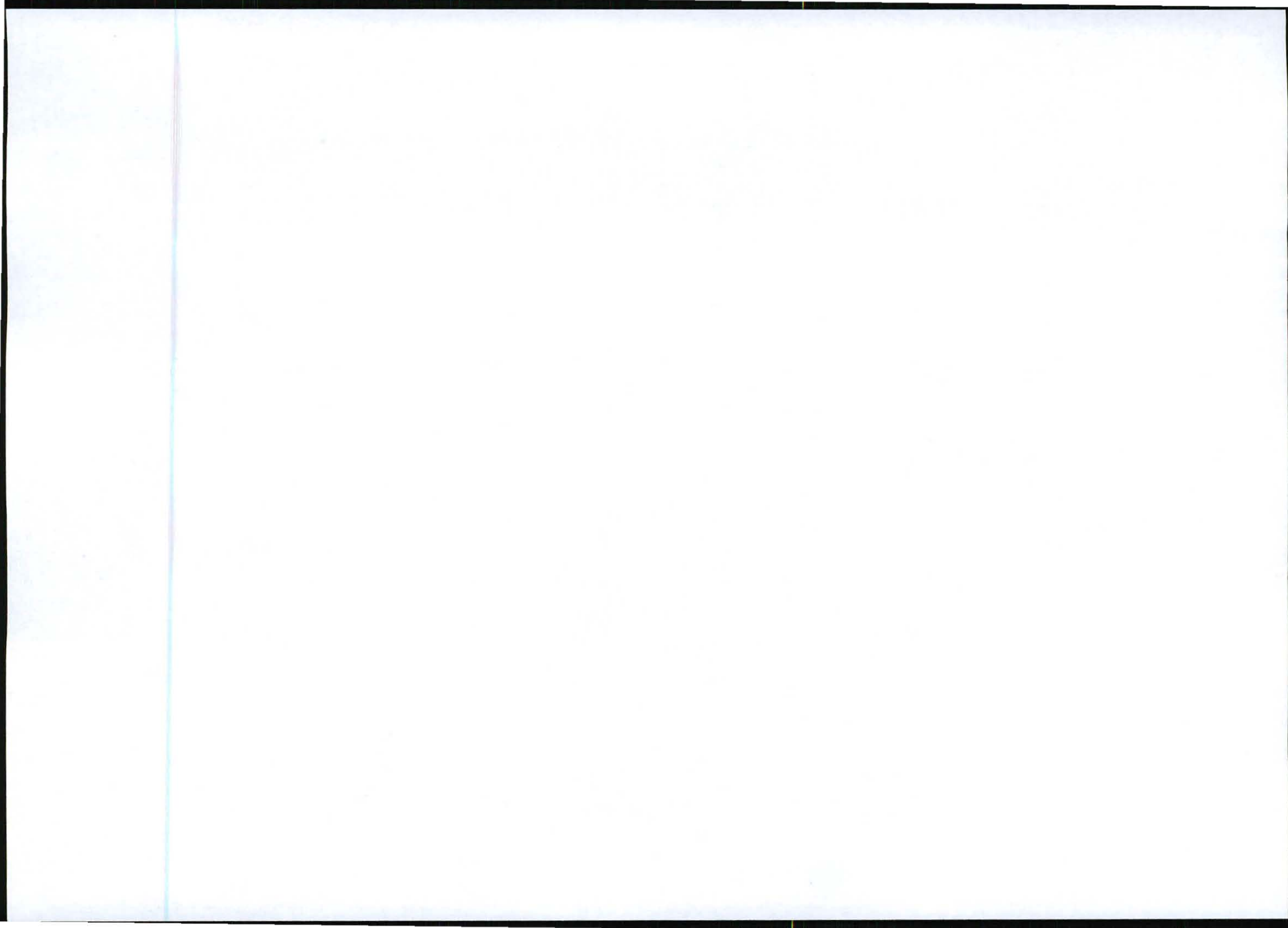
Reporting-MTA: dns; wnl5-smtp4.wa.co.za
X-Postfix-Queue-ID: ACB8BE6E04D
X-Postfix-Sender: rfc822; beverley@infraplan.co.za
Arrival-Date: Tue, 3 Apr 2012 07:34:19 +0000 (UTC)

Final-Recipient: rfc822; rosa@classic-cleaning.co.uk
Original-Recipient: rfc822;rosa@classic-cleaning.co.uk
Action: relayed
Status: 2.0.0
Remote-MTA: dns; classic-cleaning.co.uk
Diagnostic-Code: smtp; 250 OK id=1SEyPf-0001Fo-2D



Message Headers (6).txt

Return-Path: <beverley@infraplan.co.za>
Received: from localhost (unknown [127.0.0.1])
by wnls-smtp4.wa.co.za (Postfix) with ESMTTP id ACB8BE6E04D
for <rosa@classic-cleaning.co.uk>; Tue, 3 Apr 2012 07:34:19 +0000 (UTC)
X-Virus-Scanned: amavisd-new at wnls-smtp4.wa.co.za
X-Spam-Flag: NO
X-Spam-Score: -0.082
X-Spam-Level:
X-Spam-Status: No, score=-0.082 tagged_above=-999 required=6
tests=[ALL_TRUSTED=-1.8, EXTRA_MPART_TYPE=1, HTML_IMAGE_ONLY_32=0.001,
HTML_IMAGE_RATIO_04=0.61, HTML_MESSAGE=0.107] autolearn=disabled
Received: from wnls-smtp4.wa.co.za ([127.0.0.1])
by localhost (wnls-smtp4.wa.co.za [127.0.0.1]) (amavisd-new, port 10026)
with ESMTTP id 6QwIdgOcSgo4 for <rosa@classic-cleaning.co.uk>;
Tue, 3 Apr 2012 09:34:14 +0200 (SAST)
Received: from infraplan.co.za (dsl-185-187-31.dynamic.wa.co.za [41.185.187.31])
by wnls-smtp4.wa.co.za (Postfix) with ESMTTP id 3292BE6E01B
for <rosa@classic-cleaning.co.uk>; Tue, 3 Apr 2012 09:34:14 +0200 (SAST)
Return-Receipt-To: =?iso-8859-1?Q?Beverley_Sch=F6pf?= <beverley@infraplan.co.za>
x-cr-puzzleid: {035538E7-C0E4-498C-9332-3397463E3131}
MIME-Version: 1.0
Content-Type: multipart/related;
type="multipart/alternative";
boundary="----=_NextPart_001_01CD116D.3A2AFBDB"
isposition-Notification-To: =?iso-8859-1?Q?Beverley_Sch=F6pf?= <beverley@infraplan.co.za>
Content-Class: urn:content-classes:message
x-cr-hashedpuzzle: qrA= AYS2 AmBp AuAg AwF1 BoNf C+Zc EUSN EmCP E4kY F+TH GDAt GuZ7 G8u6 IAZ4
JKC2;1;cgBVAHMAYQBAAGMabABhAHMACwBpAGMALQBjAGWAZQBhAG4AaQBUAGCALgBjAG8ALgBlAGsA;Soshal_v1;7;{
35538E7-C0E4-498C-9332-3397463E3131};YgBlAHYAZQByAGWAZQB5AEAAaQBUAGYAcgBhAHAAbABhAG4ALgBjAG8A
gB6AGEA;Tue, 03 Apr 2012 07:41:46
GMT;MQAyADAANAawADMAIAAyADEAMQA2ADUAIAtACAATwBiAGoAZQBjAHQAaQBVAG4AIABSAGUACABSahKA
X-MimeOLE: Produced By Microsoft Exchange V6.5
Subject: 120403 21165 - Objection Reply
Date: Tue, 3 Apr 2012 09:41:46 +0200
Message-ID: <C54778BB944C754B92FBE729569E733363A2A2@INFRAPLANSRV.infraplan.local>
X-MS-Has-Attach: yes
X-MS-TNEF-Correlator:
Thread-Topic: 120403 21165 - Objection Reply
Thread-Index: Ac0RbTiU4451aMv0Rya6p6Yg47+5IQ==
From: =?iso-8859-1?Q?Beverley_Sch=F6pf?= <beverley@infraplan.co.za>
To: <rosa@classic-cleaning.co.uk>



Monica Niehof

From: Lydia Malema
Sent: 12 March 2012 09:31 AM
To: Beverley Schöpf
Subject: FW: More info and RNCIRP.
Attachments: 20120309191132694.pdf

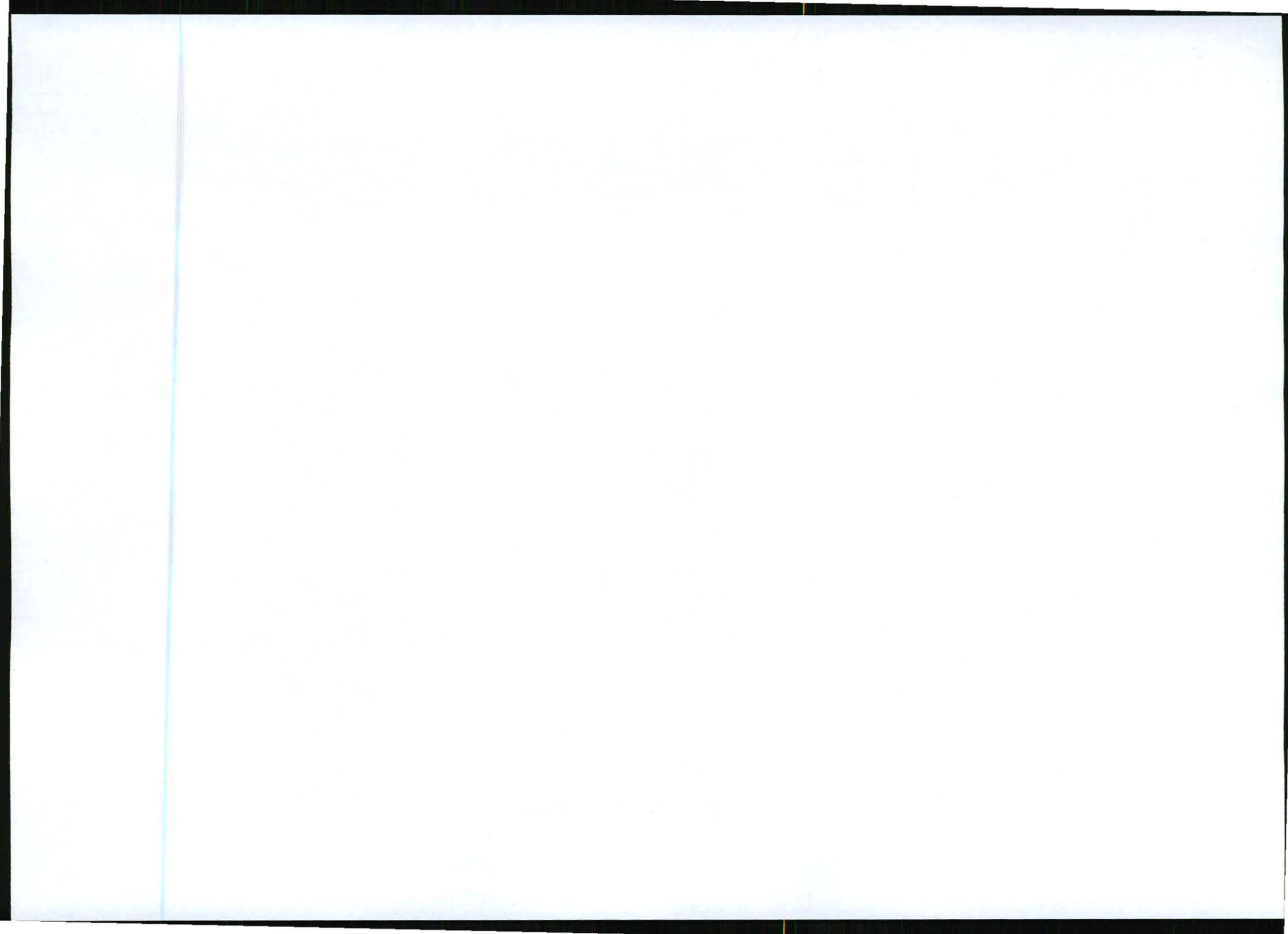
From: CHEPAPE Victor (AREVA) [mailto:victor.chepape@areva.com]
Sent: Friday, March 09, 2012 7:46 PM
To: Joan MacDonald
Cc: Admin
Subject: RE: More info and RNCIRP.

Dear Sir/ Madum

Please find the attached letter opposing the erection of the telecommunication base station.

Regards

Victor Chepape
079 878 5051



Unit No 21
Tuscany Manor 1
Vintage Road
Wilgeheuwel Ext 32
132/2005
Erf 1465

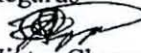
Dear Sir/ Madum

As an owner of Tuscany Manor Unit No 21, I strongly oppose the erection of the telecommunications base station next to our complex.

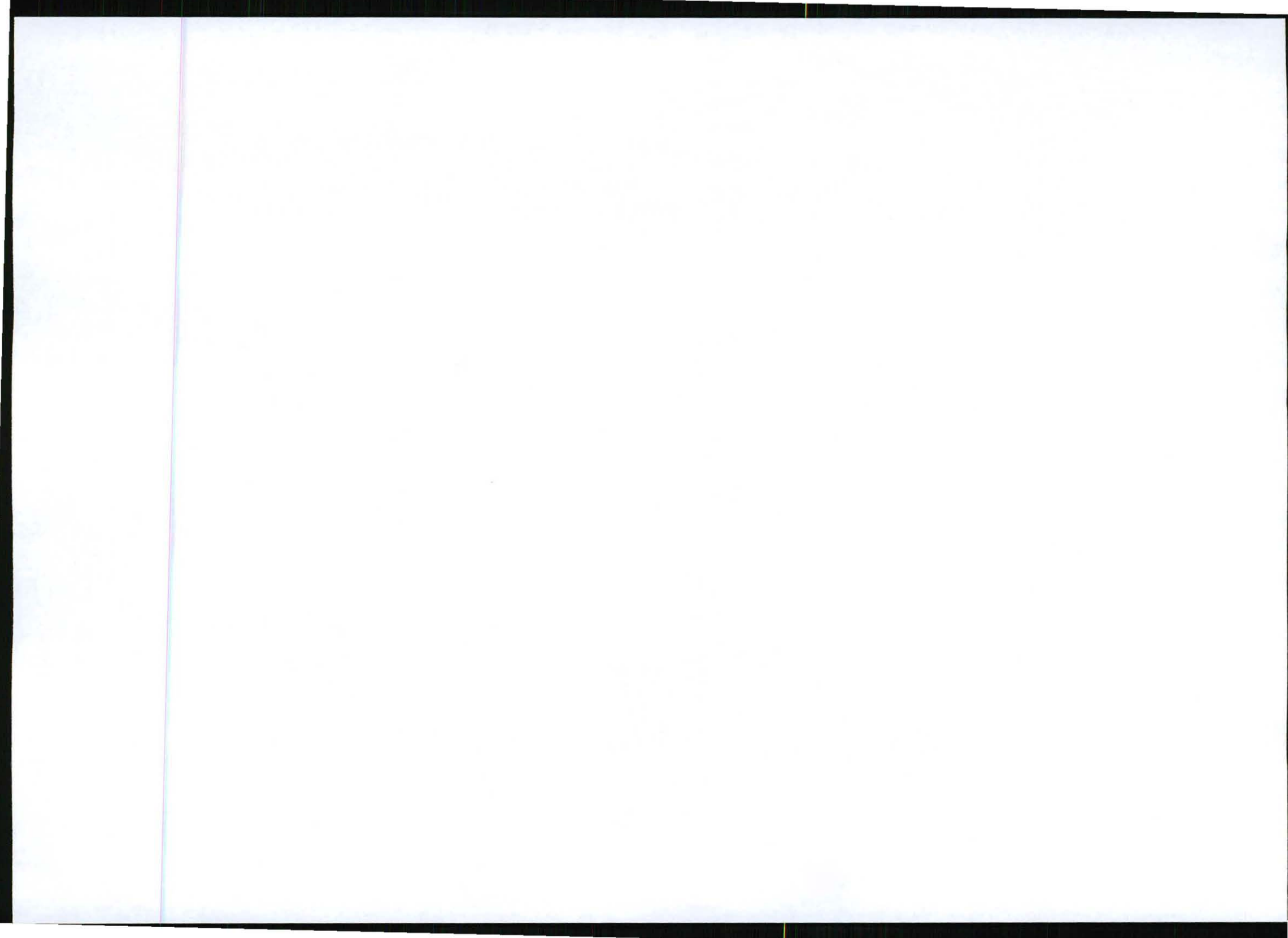
There are many articles with proof that such towers are detrimental to our healthy. It's a densely populated area with lots of children living in our complex and they are at even greater risk. I own a an apartment in Tuscany Manor 1 Complex because I took at number of aspects for example good environment considering the NEMA Act.

Going forward the NEMA Act and section 3 of the act 11 to 16 which talks about the process also allow us to engage. However I'm leaving with my family and we are opposing the erection of the telecommunication base station.

Regards


Victor Chepape
SA Citizen

09/03/2012



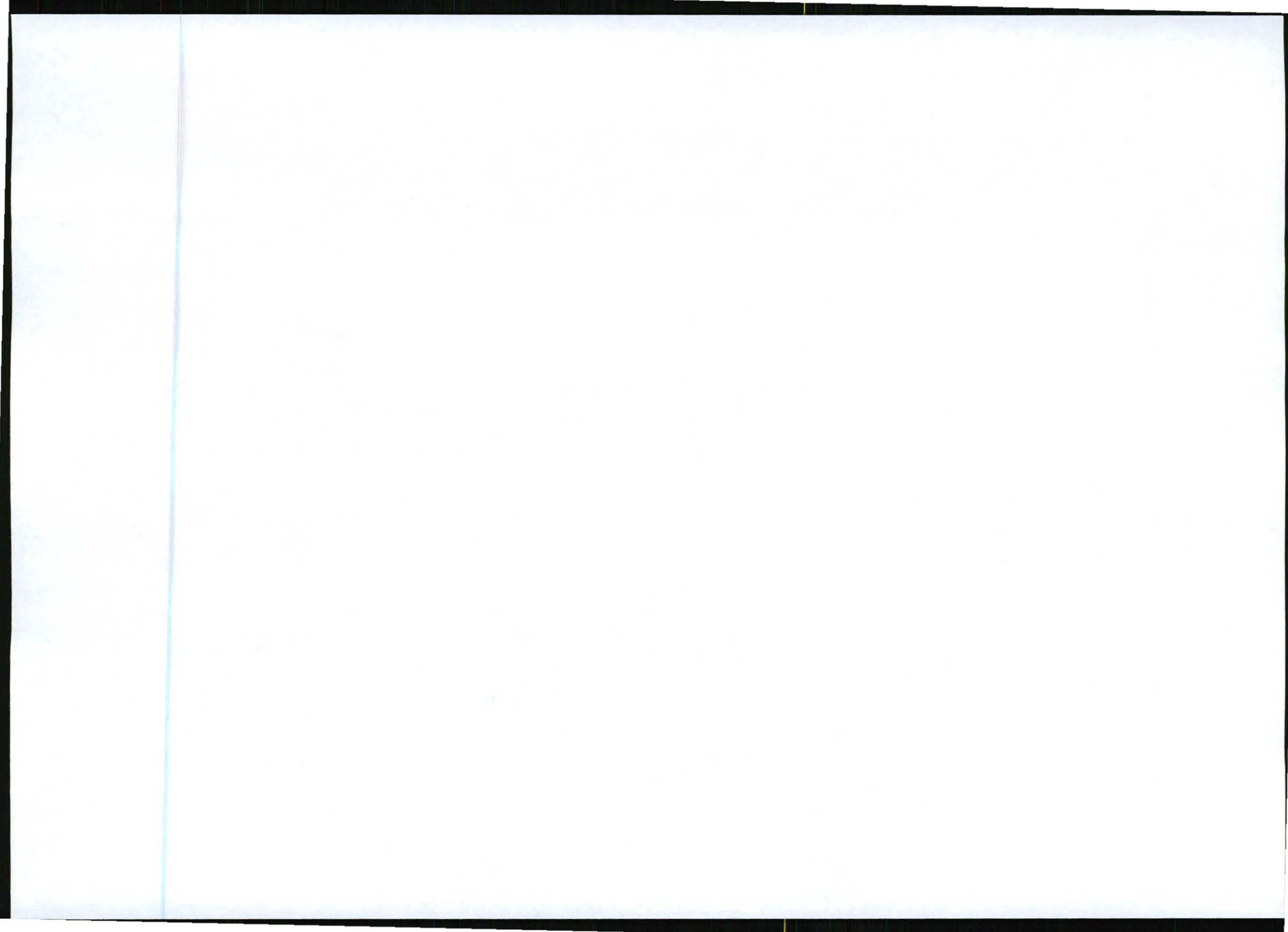
Monica Niehof

From: CHEPAPE Victor (AREVA) [victor.chepape@areva.com]
Sent: 23 March 2012 11:31 AM
Subject: Read: 120320 21165 Vintage Street - Objection Reply

Your message

To: victor.chepape@areva.com
Subject:

was read on 23/03/2012 11:31 AM.



Monica Niehof

From: Beverley Schöpf
Sent: 20 March 2012 02:31 PM
To: 'victor.chepape@areva.com'
Subject: 120320 21165 Vintage Street - Objection Reply

Dear Mr Chepape

We herewith wish to acknowledge receipt of your correspondence, the contents of which has been noted. We further wish to confirm that you have been registered as an Interested and Affected Party on our register.

Kind regards

Beverley Schopf



Torbiouse Solutions CC
414 Rustic Road Silvertondale 0184
PO Box 32017 Totusdal 0134
e-mail: admin@torbiousesolutions.co.za

Reg. No. 2001/0080535/23
Tel: (012) 604 1504/6
Fax: (012) 604 7072



Monica Niehof

From: Mail Delivery System [MAILER-DAEMON@ussmtpin4.areva.com]
Sent: 20 March 2012 02:45 PM
To: Beverley Schöpf
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host ussmtpin4.areva.com.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<victor.chepape@areva.com>: delivery via 10.84.207.230[10.84.207.230]:10025:
250 2.6.0
<C54778BB944C754B92FBE729569E7333604A92@INFRAPLANSRV.infraplan.local>
Queued mail for delivery



Delivery report.txt

Reporting-MTA: dns; ussmtpin4.areva.com

X-Postfix-Queue-ID: 5DC5358051

X-Postfix-Sender: rfc822; beverley@infraplan.co.za

Arrival-Date: Tue, 20 Mar 2012 12:39:11 +0000 (UTC)

Final-Recipient: rfc822; victor.chepape@areva.com

Original-Recipient: rfc822;victor.chepape@areva.com

Action: relayed

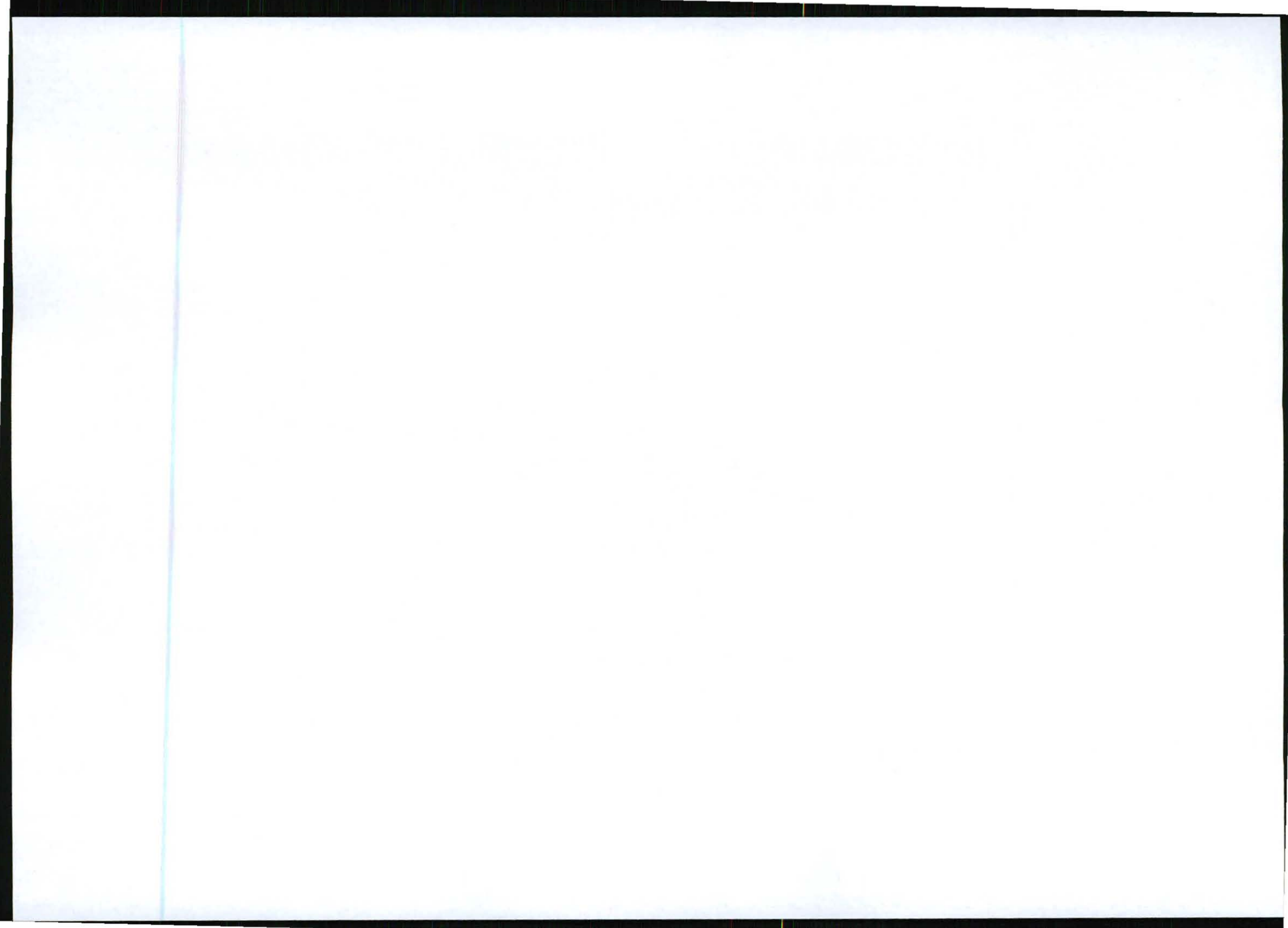
Status: 2.6.0

Remote-MTA: dns; 10.84.207.230

Diagnostic-Code: smtp; 250 2.6.0

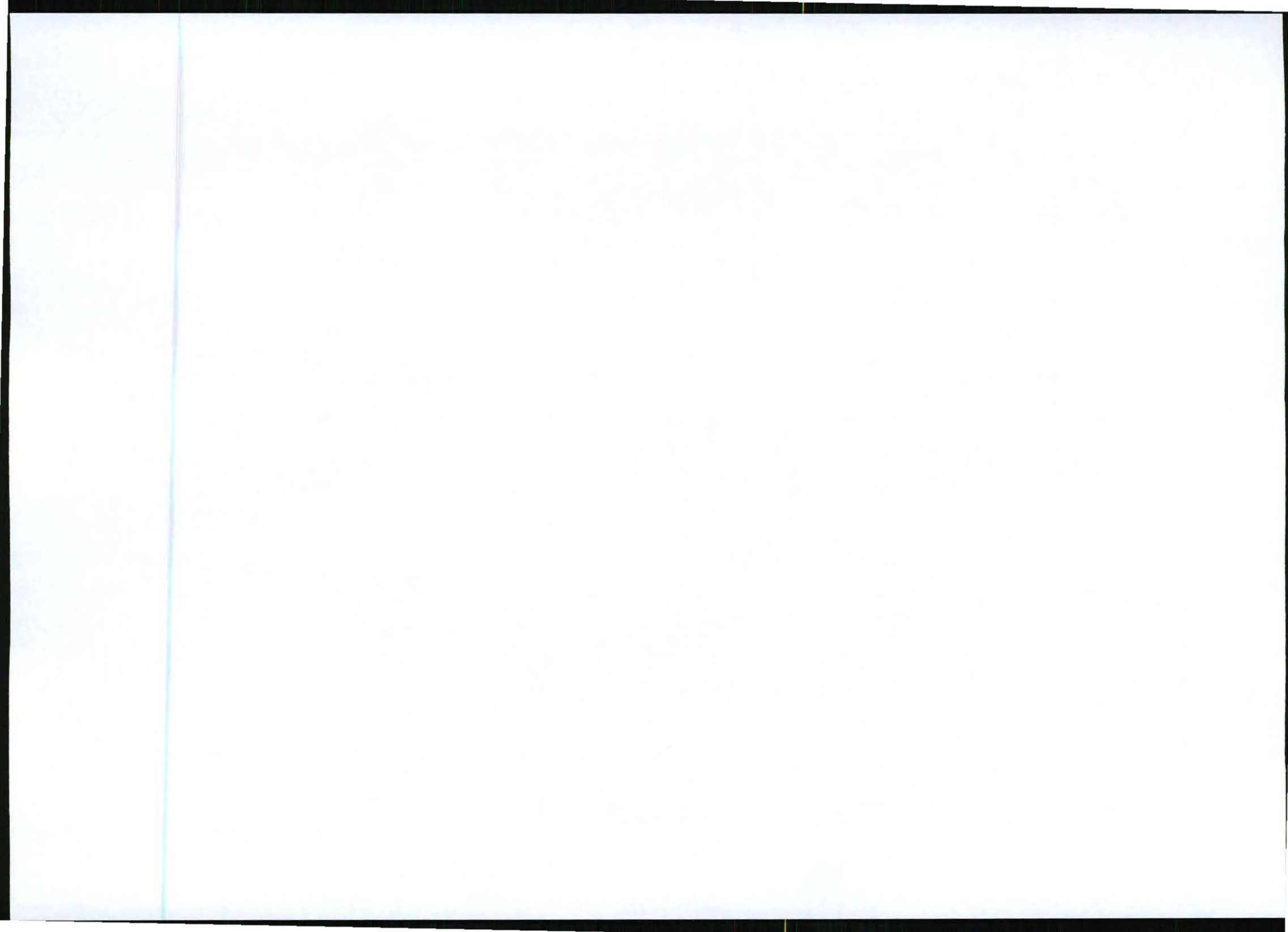
<C54778BB944C754B92FBE729569E7333604A92@INFRAPLANSRV.infraplan.local>

Queued mail for delivery



Message Headers (6).txt

X-Greylist: delayed 437 seconds by postgrey-1.21 at uspostgrey01.aveva.com; Tue, 20 Mar 2012 12:39:13 UTC
Received: from wnl5-smtp5.wa.co.za (unknown [41.185.62.210])
by ussmtpin4.aveva.com (Postfix) with ESMTMP id 5DC5358051
for <victor.chepape@aveva.com>; Tue, 20 Mar 2012 12:39:11 +0000 (UTC)
Received: from localhost (unknown [127.0.0.1])
by wnl5-smtp5.wa.co.za (Postfix) with ESMTMP id 1EA8C10E60A
for <victor.chepape@aveva.com>; Tue, 20 Mar 2012 12:31:50 +0000 (UTC)
X-Virus-Scanned: amavisd-new at wnl5-smtp5.wa.co.za
X-Spam-Flag: NO
X-Spam-Score: -0.082
X-Spam-Level:
X-Spam-Status: No, score=-0.082 tagged_above=-999 required=6
tests=[ALL_TRUSTED=-1.8, EXTRA_MPART_TYPE=1, HTML_IMAGE_ONLY_32=0.001,
HTML_IMAGE_RATIO_04=0.61, HTML_MESSAGE=0.107] autolearn=disabled
Received: from wnl5-smtp5.wa.co.za ([127.0.0.1])
by localhost (wnl5-smtp5.wa.co.za [127.0.0.1]) (amavisd-new, port 10026)
with ESMTMP id YchVp8Llovro for <victor.chepape@aveva.com>;
Tue, 20 Mar 2012 14:31:44 +0200 (SAST)
Received: from infraplan.co.za (dsl-185-187-31.dynamic.wa.co.za [41.185.187.31])
by wnl5-smtp5.wa.co.za (Postfix) with ESMTMP id 180ED10E5CC
for <victor.chepape@aveva.com>; Tue, 20 Mar 2012 14:31:43 +0200 (SAST)
Return-Receipt-To: =?iso-8859-1?Q?Beverley_Sch=F6pf?= <beverley@infraplan.co.za>
MIME-Version: 1.0
Content-Type: multipart/related;
type="multipart/alternative";
boundary="-----=_NextPart_001_01CD0695.61A9AB4B"
x-cr-puzzleid: {3E919B55-3983-40D8-AF11-26293445F79D}
Disposition-Notification-To: =?iso-8859-1?Q?Beverley_Sch=F6pf?= <beverley@infraplan.co.za>
X-MimeOLE: Produced By Microsoft Exchange V6.5
Content-class: urn:content-classes:message
Subject: 120320 21165 Vintage Street - Objection Reply
x-cr-hashedpuzzle: f1Y= oH8= A5MP Bjfx B5C/ B93I CFLU ESCB FlGq F7dM Gnm5 GdlQ Ge2G Jcr2 KP0/
KXft;1;dgBpAGMAdABVAHIALgBjAGgAZQBWAGEACABlAEAAyQByAGUAdgBhAC4AYwBvAG0A;Soshal_v1;7;{3E919B55-
3983-40D8-AF11-26293445F79D};YgBlAHYAZQByAGWAZQB5AEAAAQBuAGYAcgBhAHAABABhAG4ALgBjAG8ALgB6AGEA
Tue, 20 Mar 2012 12:31:29
GMT;MQAYADAAMWYADAAIAAYADEAMQA2ADUAIABWAGkAbgB0AGEAZwBlACAAUwB0AHIAZQBIAHQAIAAAtACAATwBiAGoAZI
BjAHQAaQBvAG4AIAABSAGUACABS AHKA
Date: Tue, 20 Mar 2012 14:31:28 +0200
Message-ID: <C54778BB944C754B92FBE729569E7333604A92@INFRAPLANSRV.infraplan.local>
X-MS-Has-Attach: yes
X-MS-TNEF-Correlator:
Thread-Topic: 120320 21165 Vintage Street - Objection Reply
Thread-Index: Ac0G1V/ApUO+RhmzSt+2+o+aKc+PnA==
From: =?iso-8859-1?Q?Beverley_Sch=F6pf?= <beverley@infraplan.co.za>
To: <victor.chepape@aveva.com>



Monica Niehof

From: Mail Delivery System [MAILER-DAEMON@ussmtpin2.aveva.com]
Sent: 16 April 2012 04:16 PM
To: Monica Niehof
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host ussmtpin2.aveva.com.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<victor.chepape@aveva.com>: delivery via 10.84.207.230[10.84.207.230]:10025:
250 2.6.0
<C54778BB944C754B92FBE729569E73336836E1@INFRAPLANSRV.infraplan.local>
Queued mail for delivery



Monica Niehof

From: Monica Niehof
Sent: 16 April 2012 03:56 PM
To: 'victor.chepape@areva.com'
Subject: 120416 21165 Vintage Str - Gaut: 002/11-12/E0249 - EIA Application

Dear Sir,

You have been registered as an interested and affected party regarding the proposed establishment of a **64m²** enclosed telecommunication base station for Vodacom (Pty) Ltd with a **30m** mast and equipment container(s) on **REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ To be known as: Erf 1559 Wilgeheuwel Extension 36.**

The applicant, Vodacom (Pty) Ltd, have appointed us as Environmental Assessment Practitioner (EAP) to do a study of various environmental impacts the placement of a mast, as the listed activity – Activity 3, may have in terms of fauna, flora, visual, audio, geography etc. on the receiving and surrounding environment. One of these factors is to inform the public in the vicinity of the development and solicit their comments. All factors, including public comment, amongst others your support or objections, are then compiled into a basic assessment report submitted to the provincial government or, as the National Environmental Management Act (NEMA) names them, the competent authority being the Gauteng Department of Agriculture and Rural Development. They will consider all aspects of the basic assessment report and they will then decide to grant environmental authorisation or not.

It must be clear that neither Vodacom nor the appointed EAP make the decision to grant the said authorisation, yes or no. The competent authority does. Should environmental authorisation be granted further authorisation must be obtained at the local authority for approval of building plans and related permits.

Public participation is a process in which potential interested and affected parties are given the opportunity to comment on, or raise issues relevant to specific matters. These comments and issues form part of the total consideration by the competent authority i.e. the Gauteng Department of Agriculture and Rural Development. It should however be understood that the competent authority is also guided by several other authorities, policies and facts in order to make their decision to grant environmental authority or not.

With regard to your submission containing issue of health we want to highlight some of these other considerations.

1. With regard to any health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard is attached hereto and you are invited to visit the individual websites.

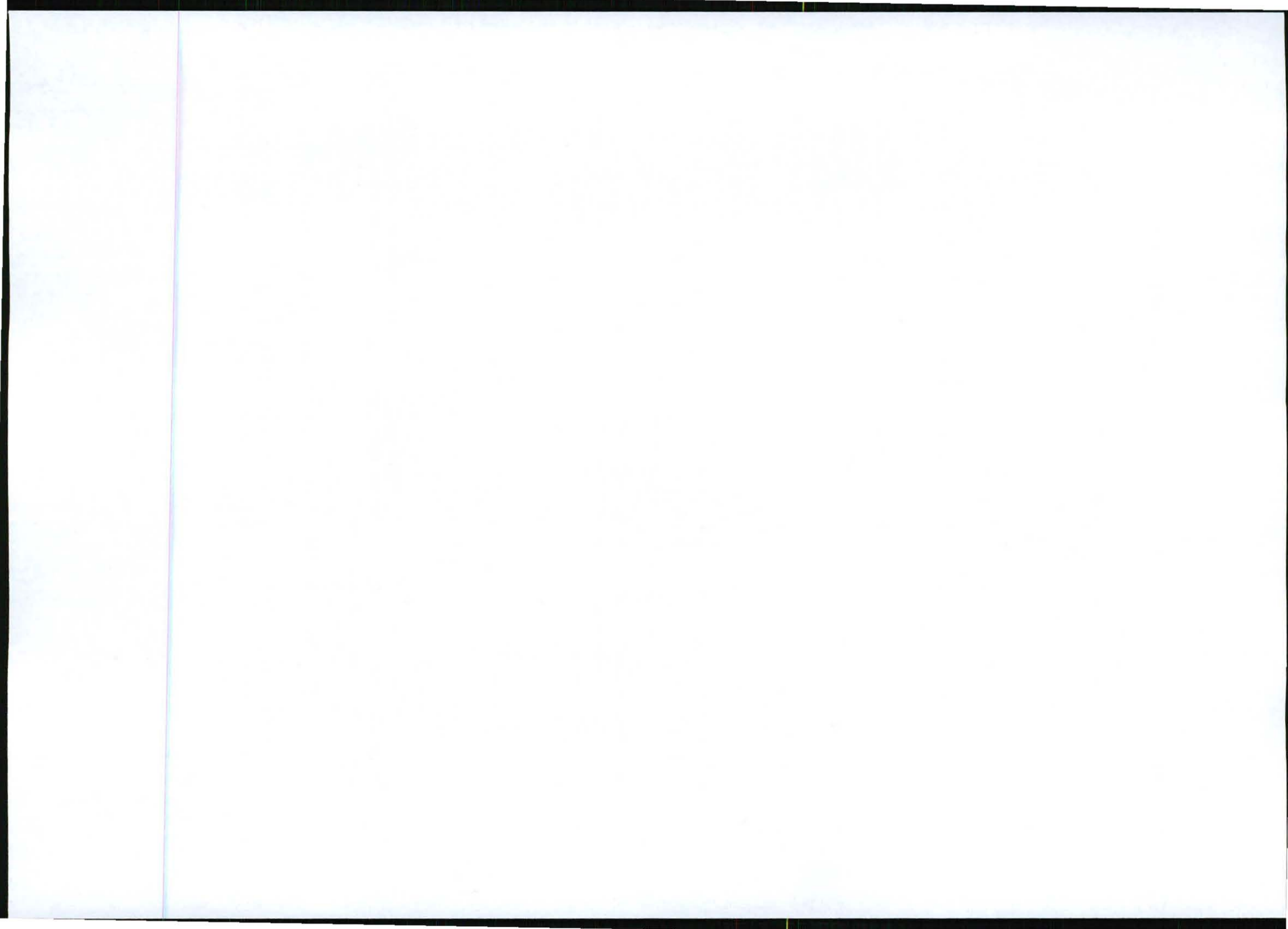
ICNIRP (1998) www.icnirp.de/documents/emfgdl.pdf

World Health Organisation www.who.int and http://www.who.int/topics/electromagnetic_fields/en

We trust that the above, the attached information and references to the various websites, assist in obtaining further insight in what is proposed and what shall be considered with regard to the application. Should you need any further information please do not hesitate to contact us.

Kind regards,

Monica Niehof





Torbiouse Solutions CC

414 Rustic Road Silvertondale 0164

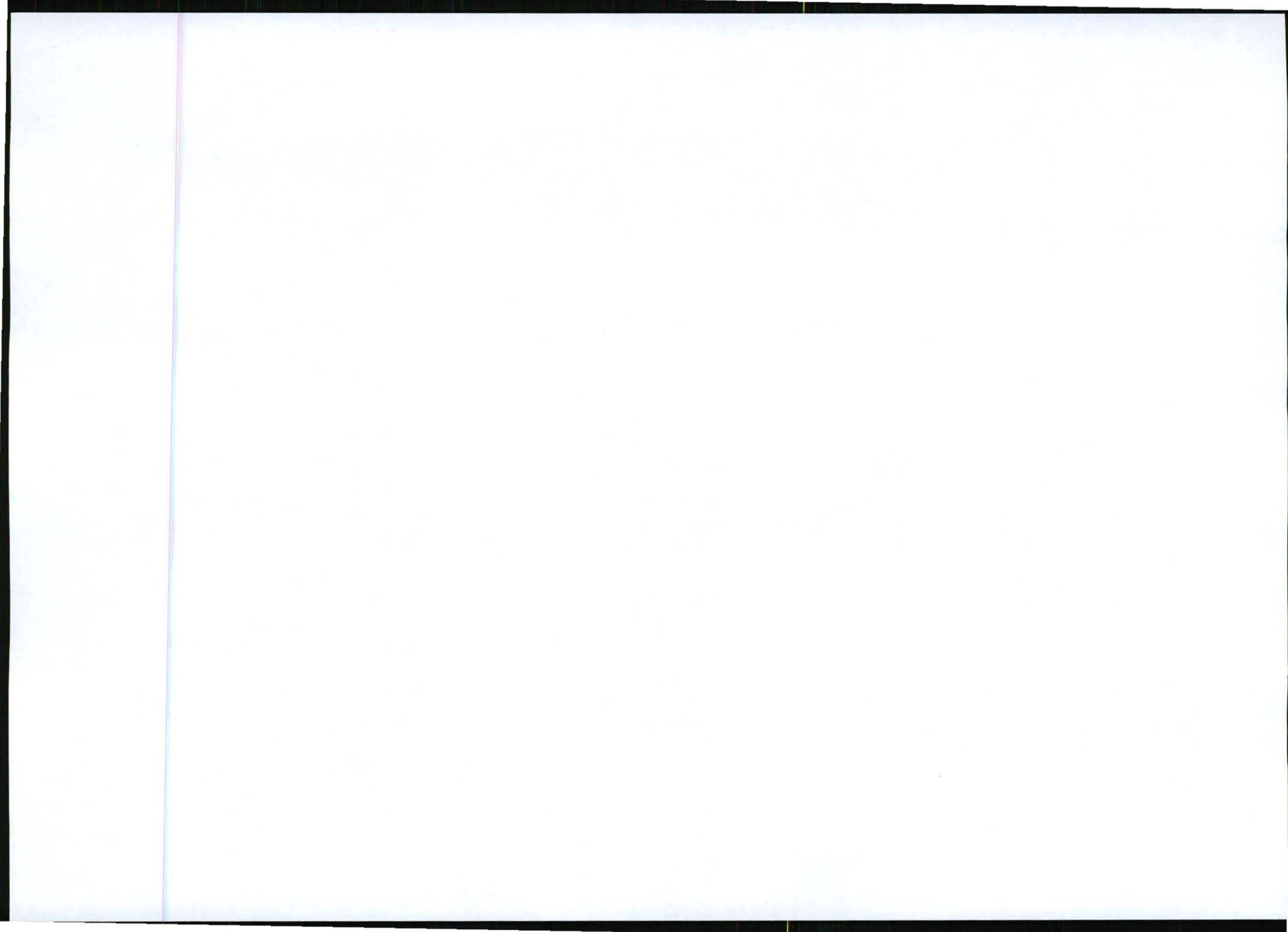
PO Box 32017 Torusdal 0134

e-mail: admin@torbiouseolutions.co.za

Reg. No. 2001/0080535/23

Tel: (012) 804 1504/5

Fax: (012) 804 7072



Monica Niehof

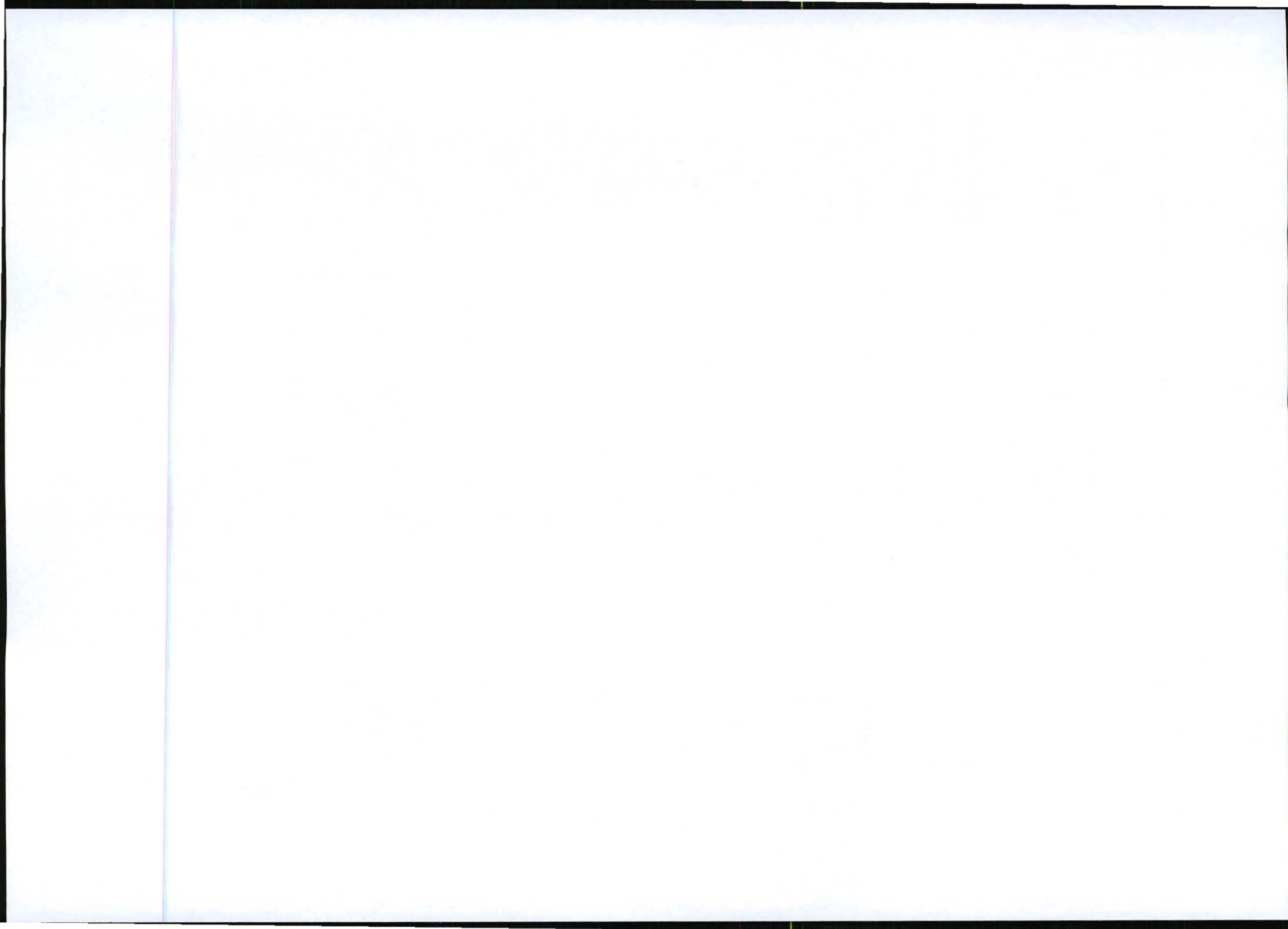
From: Mail Delivery System [MAILER-DAEMON@ussmtpin4.areva.com]
Sent: 17 April 2012 01:01 PM
To: Monica Niehof
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host ussmtpin4.areva.com.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<victor.chepape@areva.com>: delivery via 10.84.207.230[10.84.207.230]:10025:
250 2.6.0
<C54778BB944C754B92FBE729569E73336837F6@INFRAPLANSRV.infraplan.local>
Queued mail for delivery



Monica Niehof

From: Monica Niehof
Sent: 17 April 2012 12:37 PM
To: 'victor.chepape@areva.com'
Subject: 120417 FW: 120416 21165 Vintage Str - Gaut: 002/11-12/E0249 - EIA Application
Attachments: 01 Telecommunication Base Stations and Masts.pdf; Letter - health effects of masts - March 2011.pdf; 09 Dept of Health Policy - Health Effects of Cellphones and Basestations - December 2001.pdf; 08 Dept of Health - Exposure Limits for Humans - January 2002.pdf; 03 WHO Fact Sheet No. 304 - May 2006.pdf

Good day Sir,

I apologize, I did not attached the promised additional information.

Kindly find it attached now.

Kind regards,

Monica Niehof



Torblouse Solutions CC
114 Rustic Road Silvertondale 0184
PO Box 32017 Totiusdal 0134
e-mail: admin@torblousesolutions.co.za

Reg. No. 2001/0080535/23
Tel: (012) 804 1504/5
Fax: (012) 804 7072

From: Monica Niehof
Sent: 16 April 2012 03:56 PM
To: 'victor.chepape@areva.com'
Subject: 120416 21165 Vintage Str - Gaut: 002/11-12/E0249 - EIA Application

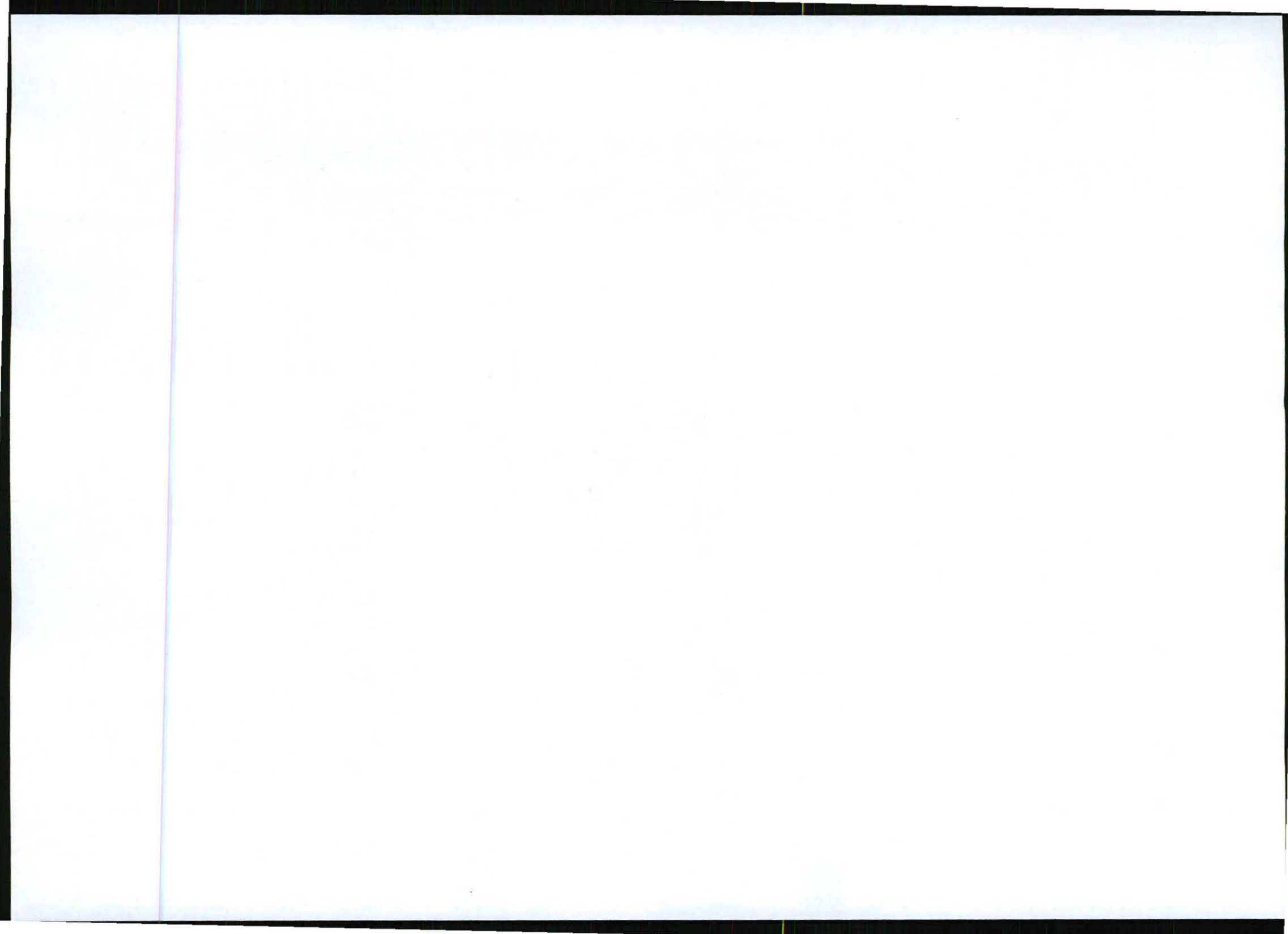
Dear Sir,

You have been registered as an interested and affected party regarding the proposed establishment of a **64m²** enclosed telecommunication base station for Vodacom (Pty) Ltd with a **30m** mast and equipment container(s) on **REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ To be known as: Erf 1559 Wilgeheuwel Extension 36.**

The applicant, Vodacom (Pty) Ltd, have appointed us as Environmental Assessment Practitioner (EAP) to do a study of various environmental impacts the placement of a mast, as the listed activity – Activity 3, may have in terms of fauna, flora, visual, audio, geography etc. on the receiving and surrounding environment. One of these factors is to inform the public in the vicinity of the development and solicit their comments. All factors, including public comment, amongst others your support or objections, are then compiled into a basic assessment report submitted to the provincial government or, as the National Environmental Management Act (NEMA) names them, the competent authority being the Gauteng Department of Agriculture and Rural Development. They will consider all aspects of the basic assessment report and they will then decide to grant environmental authorisation or not.

It must be clear that neither Vodacom nor the appointed EAP make the decision to grant the said authorisation, yes or no. The competent authority does. Should environmental authorisation be granted further authorisation must be obtained at the local authority for approval of building plans and related permits.

Public participation is a process in which potential interested and affected parties are given the opportunity to comment on, or raise issues relevant to specific matters. These comments and issues form part of the total consideration by the competent authority i.e. the Gauteng Department of Agriculture and Rural Development. It should however be understood that the competent authority is also guided by several other authorities, policies and facts in order to make their decision to grant environmental authority or not.



With regard to your submission containing issue of health we want to highlight some of these other considerations.

1. With regard to any health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard is attached hereto and you are invited to visit the individual websites.

ICNIRP (1998) www.icnirp.de/documents/emfgdl.pdf

World Health Organisation www.who.int and http://www.who.int/topics/electromagnetic_fields/en

We trust that the above, the attached information and references to the various websites, assist in obtaining further insight in what is proposed and what shall be considered with regard to the application. Should you need any further information please do not hesitate to contact us.

Kind regards,

Monica Niehof



Torbiouse Solutions CC

414 Rustic Road Silvertondale 0154

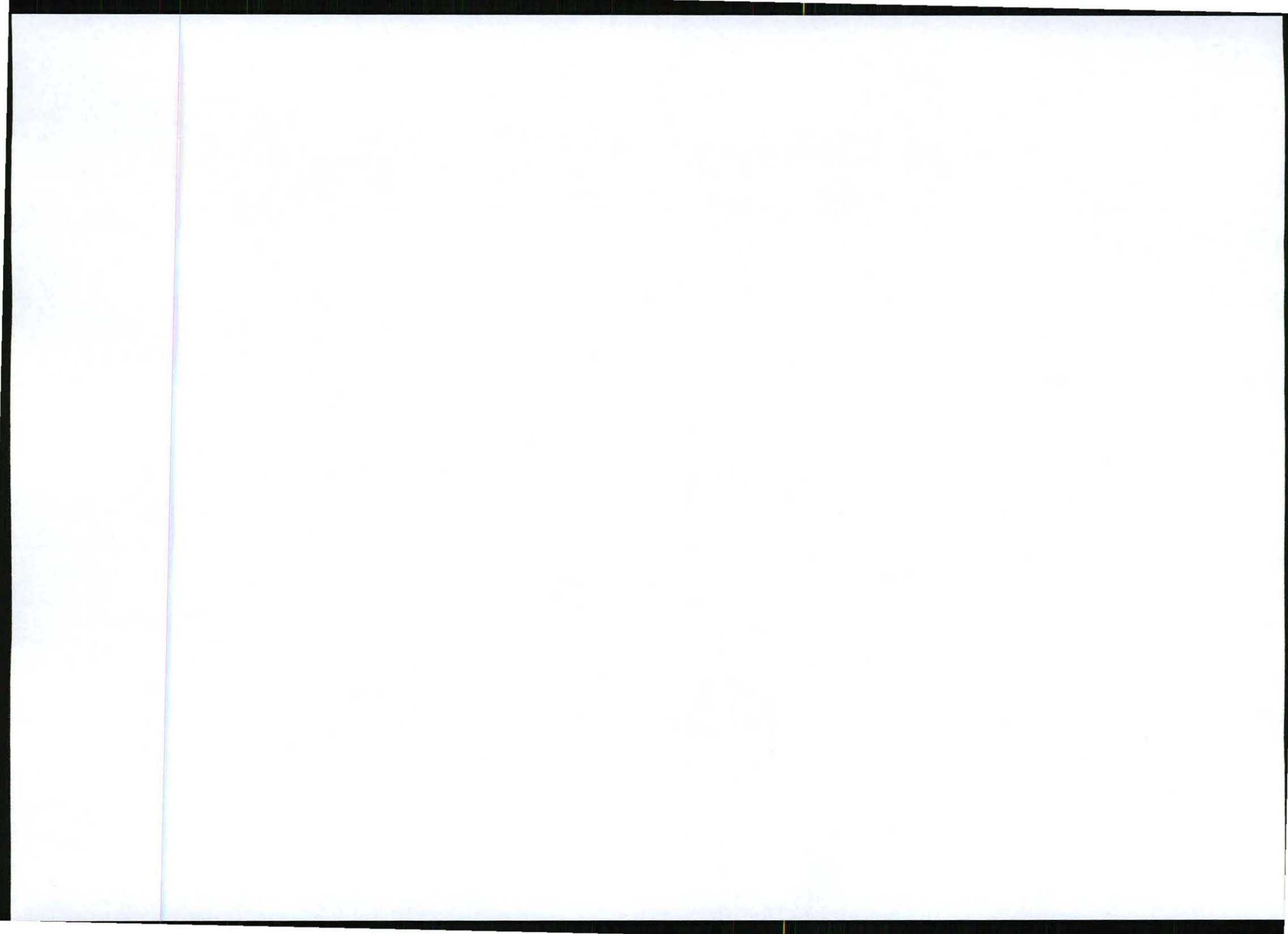
PO Box 32017 Totiusdal 0154

e-mail: admin@torbiousesolutions.co.za

Reg. No. 2001/0080535/23

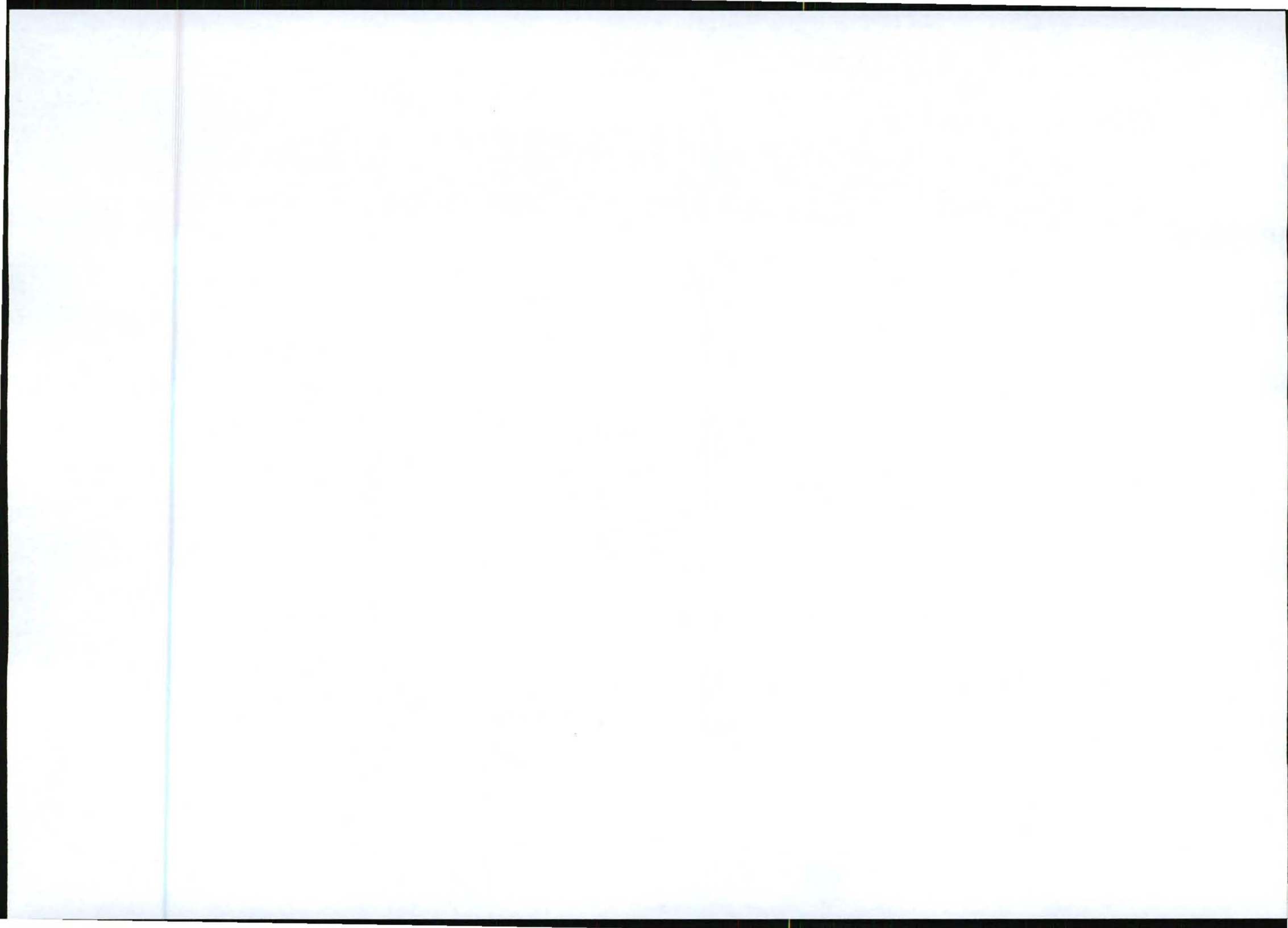
Tel: (012) 604 1504/6

Fax: (012) 604 7072

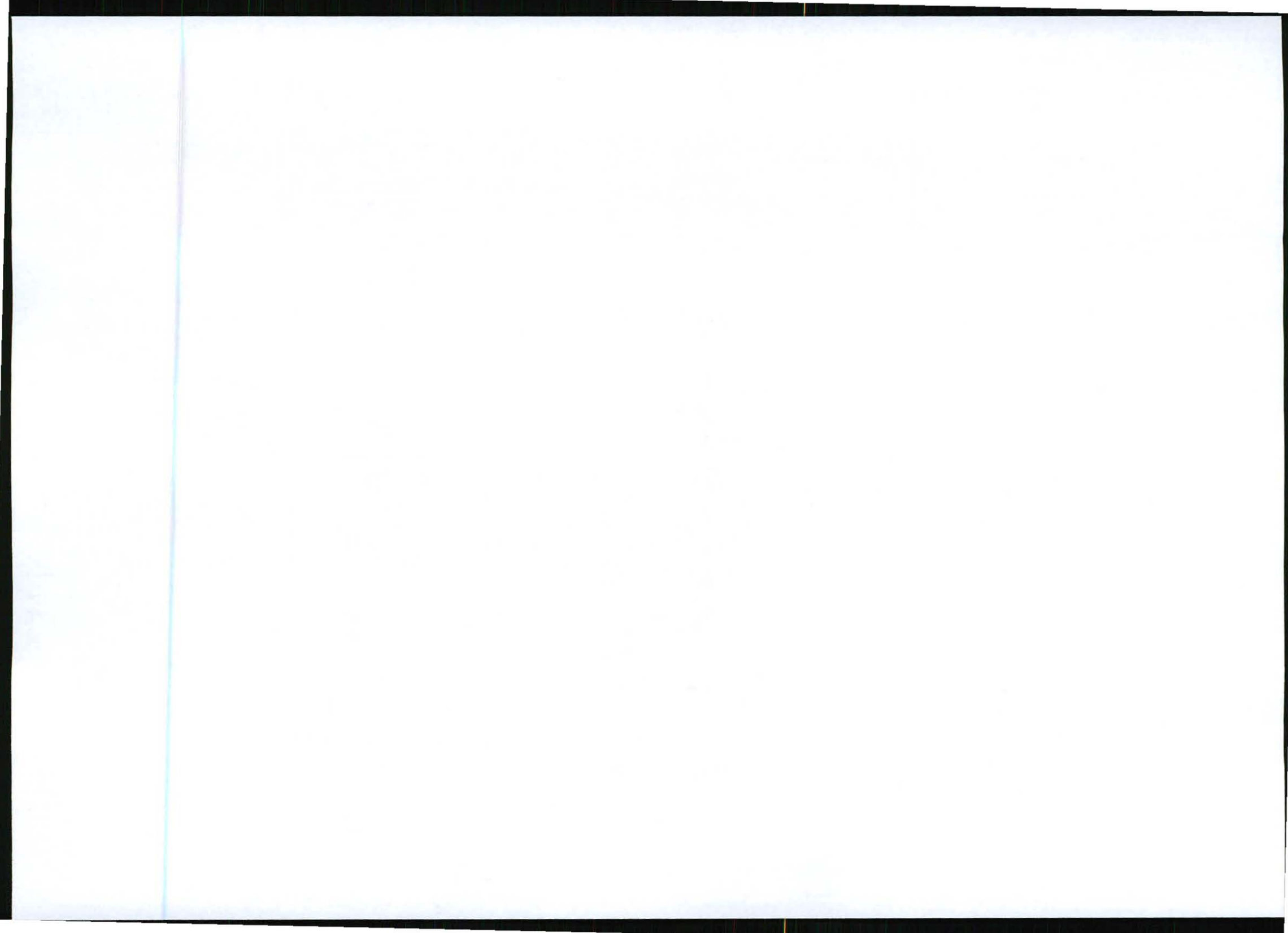


Appendix E5 – Minutes of public and / or stakeholder meetings

No comments received



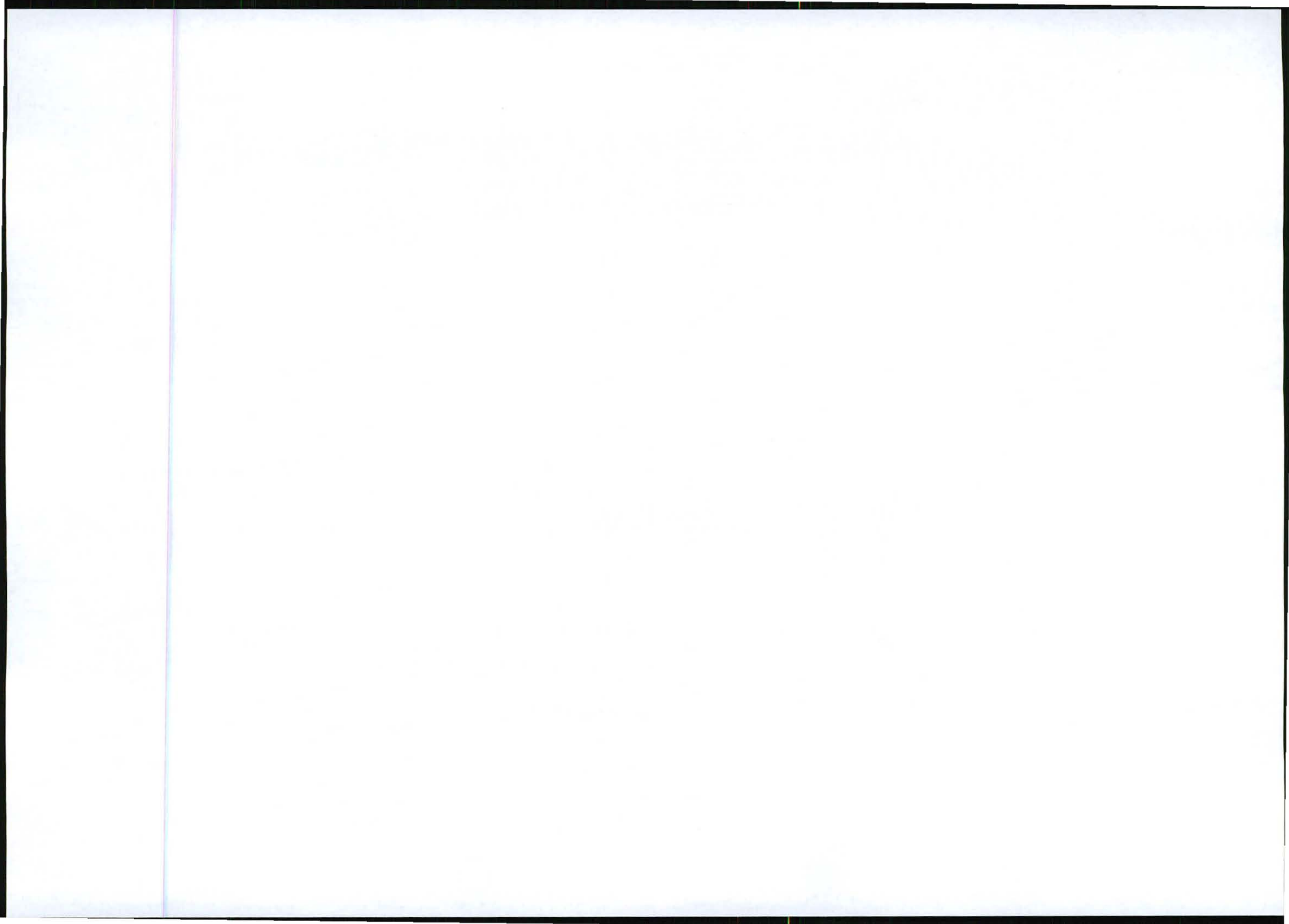
Appendix E6 - Comments & Responses Report



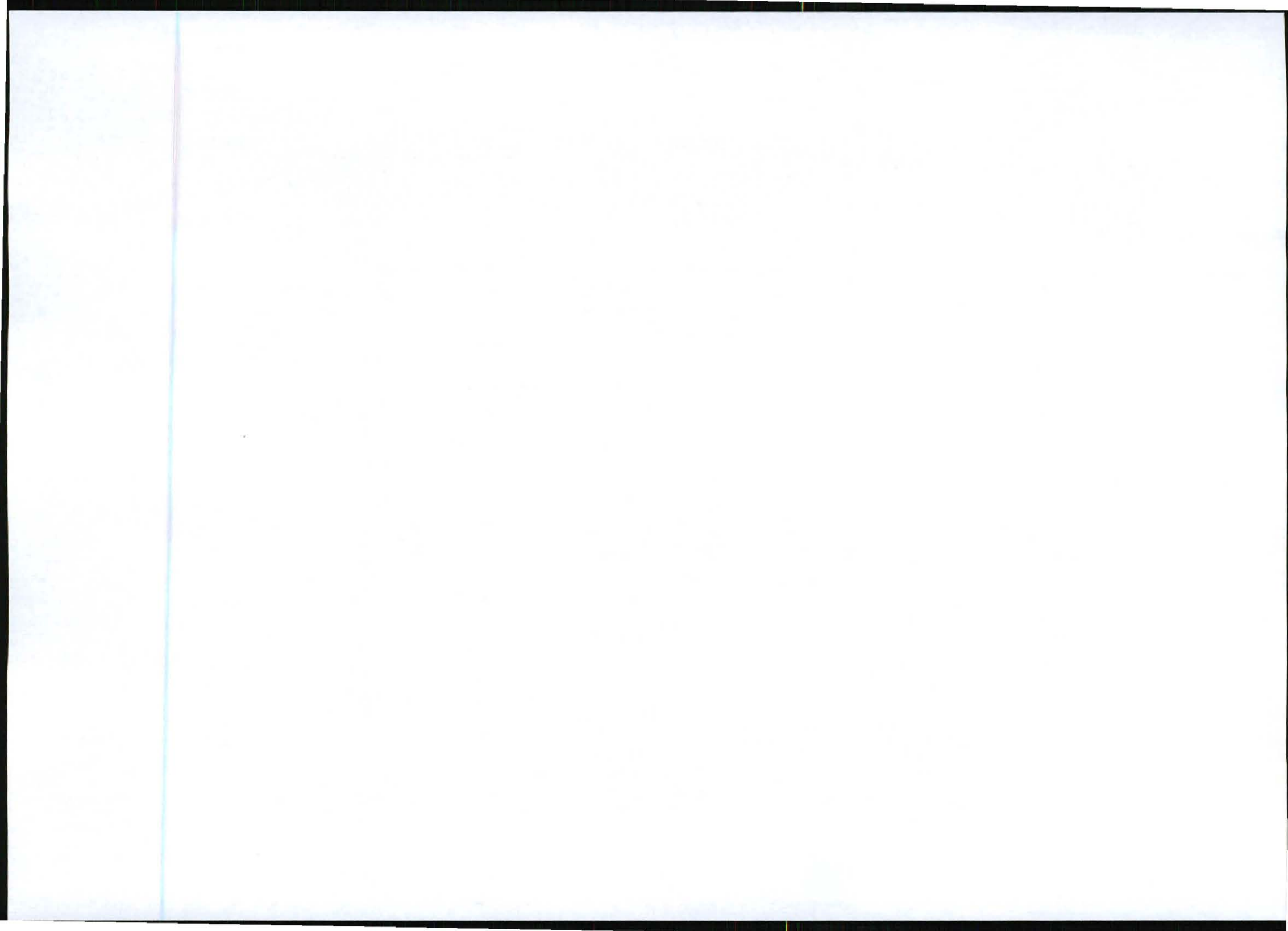
Interested & Affected Parties Register / Comments and Responses Report

Site number: 21165
 Site Name: Vintage Str
 EIA reference no.:Gaut: 002/11-12/E0249

Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of Initial I&AP registration	Issues raised / Comments received	EAP Response
1	29/02/2012	The Municipal Manager, Mr. R. Bhana Environmental Management Section	PO Box 1049, Johannesburg, 2000	Fax: (011) 403 1012 Email: rajeshreeb@joburg.org.za	NA	Auto I&AP	No comments received	No comments received
2	29/02/2012	The Ward Councillor, Councillor: JJ Engelbrecht, Ward 97	PO Box 1049, Johannesburg, 2000	Fax: (011) 403 1615	NA	Auto I&AP	No comments received	No comments received
3	21/09/2011	South African Civil Aviation Authority (SACAA)	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	No approval received yet.	-
4	29/02/2012	South African Heritage Resources Agency (SAHRA), Mr. P. Hine	PO Box 4637, Cape Town, 8000	Tel: (021) 462 4502 Fax: (021) 462 4509	NA	Auto I&AP	No comments received	No comments received
5	29/02/2012	Mr. Gustav Nel	Unit 57, Tuscany Manor 1	Email: gustavn@nola.co.za	Public Participation Notice	08/03/2012	Mr. Nel strongly oppose the erection of the tower next to the complex. He says there are numerous articles that proof that such towers are detrimental to one's health. He says that he purchased the unit in the adjacent complex specifically not close to a tower to ensure that his family would not be exposed to the effects of such a tower.	With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs.
6	29/02/2012	K. Naidu	Unit 3, Tuscany Manor 4, Pilotage Steet, Wilgeheuwel	Email: christell@opmsa.co.za	Public Participation Notice	11/03/2012	The I&AP also strongly opposes the activity and is concerned about the health and environmental issues and risks the activity poses. Especially how this will affect the residents' lifestyles.	With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs.
7	29/02/2012	Mr. and Mrs. Muddiman	Tuscany Manor 2, Sjampanje Street, Wilgeheuwel	Email: kmuddiman@heronbridge.co.za	Public Participation Notice	16/03/2012	The I&APs strongly oppose the development on the basis of three reasons: 1. Impact of the activity on the resale value of their property. They base the statement on a study conducted by the Ninth Pacific-Rim Real Estate Society, in Brisbane, Australia. According to this study a cellular tower in close proximity to a property leads to a reduction in property value of 20% on average. 2. Health impact of the tower on them and their neighbours. They believe that prolonged exposure to both thermal and non-thermal effects of the tower could have serious health risks in the long run. They refer to the "Nailla study" which gives them cause for concern as they hope to raise a family at the property. 3. They state that there will be an danger of electrical storms in the area when a telecommunications base station is established, which may lead to an increase in power outages, possibility of direct hits and other hazards to their property.	1. No proven cases of telecommunication masts and base stations affecting property values have been reported where such structure have influenced property values negatively. The provision of telecommunication infrastructure is an essential service in urban areas with definite benefits to society and communities in the area. Potential devaluation, as a concept, can also not be dealt with in the environmental assessment process as it belongs in the realm of overall planning and decision making at the national, provincial and local authority level. 2. With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs; 3. With regard to any added danger of electrical storms in the area, which could in turn lead to increase in power outages, possibility of direct hits and other hazards to any property, no scientific proof was provided by the Interested and Affected Party. To the EAP's knowledge, there is no recording of increased lightning strike rates within the specific area surrounding thousands of telecommunication base stations erected worldwide. Telecommunication masts are well earthed and measures are implemented to best absorb any possible lightning strikes.



Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of initial I&AP registration	Issues raised / Comments received	EAP Response
8	29/02/2012	Mr. AA and Mrs. R.M Machado	Unit 43, Tuscany Manor 2	Email: rosa@classic-cleaning.co.uk	Public Participation Notice	23/03/2012	The I&AP says the back of their house faces straight onto the site where the tower is proposed. They strongly oppose the application.	The EAP agrees that visual impact of the telecommunication mast is a prominent impact. Much is done to avoid the proliferation of masts. The suggested position is considered the best position to maintain telecommunication infrastructure and several site alternatives have been investigated without success. Structural design options have been assessed to mitigate visual impact.
9	29/02/2012	Mr. Victor Chepape	Unit 21, Tuscany Manor 1, Vintage Road, Wilgeheuwel Ext 32, Erf 1465	Email: victo.chepape@areva.com	Public Participation Notice	12/03/2012	The I&AP strongly oppose the erection of the telecommunications base station. He state that there are many articles with proof that such towers are detrimental to their health, but he do not refer to any. He says it is a densely populated area and a lot of children, who is at greater risk.	With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs.



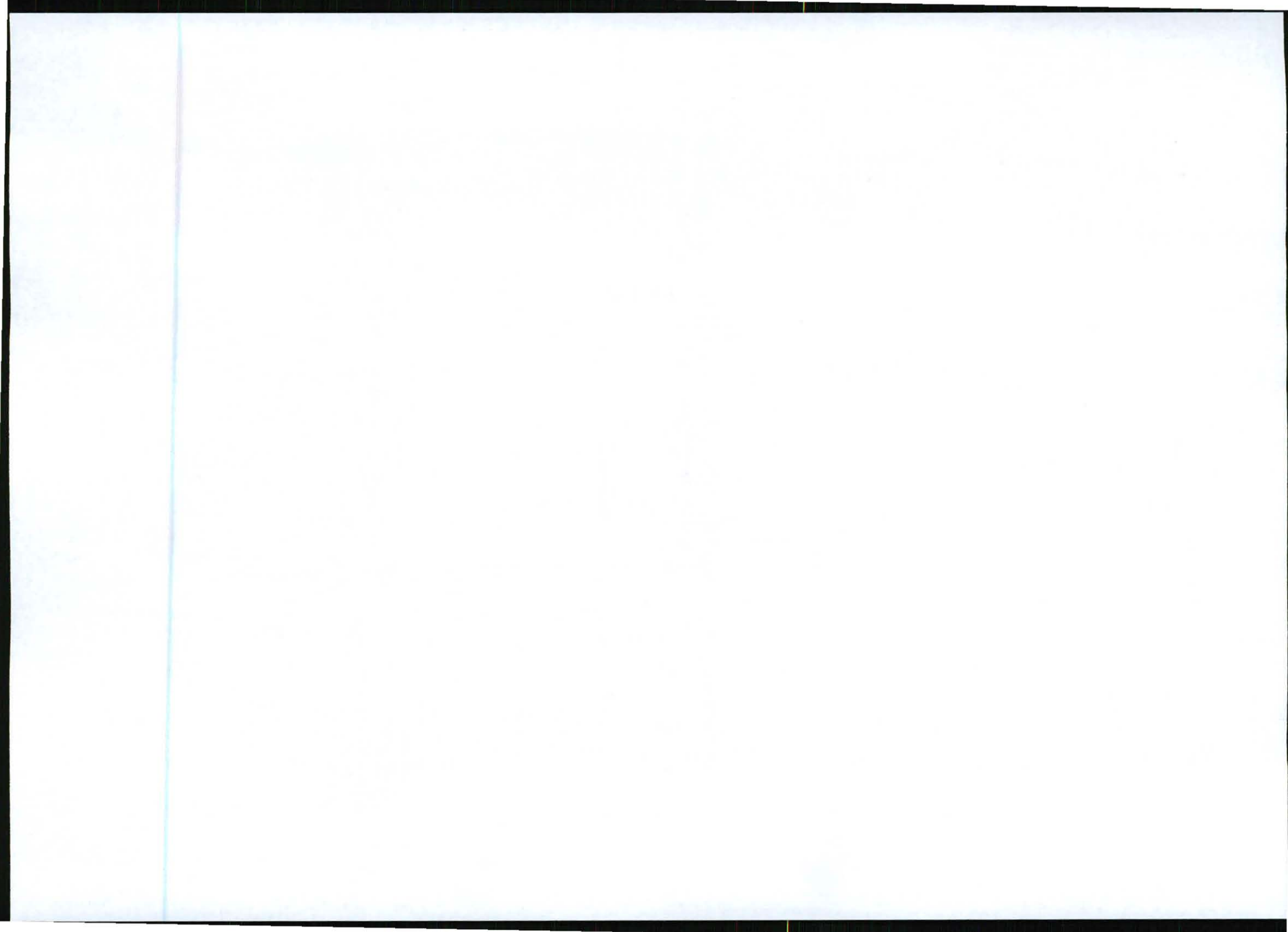
Appendix E7 – Comments from I&AP's on Basic Assessment (BA) Report

No Comments received



**Appendix E8 – Comments from I&AP's on amendments to Basic
Assessment (BA) Report**

No comments received



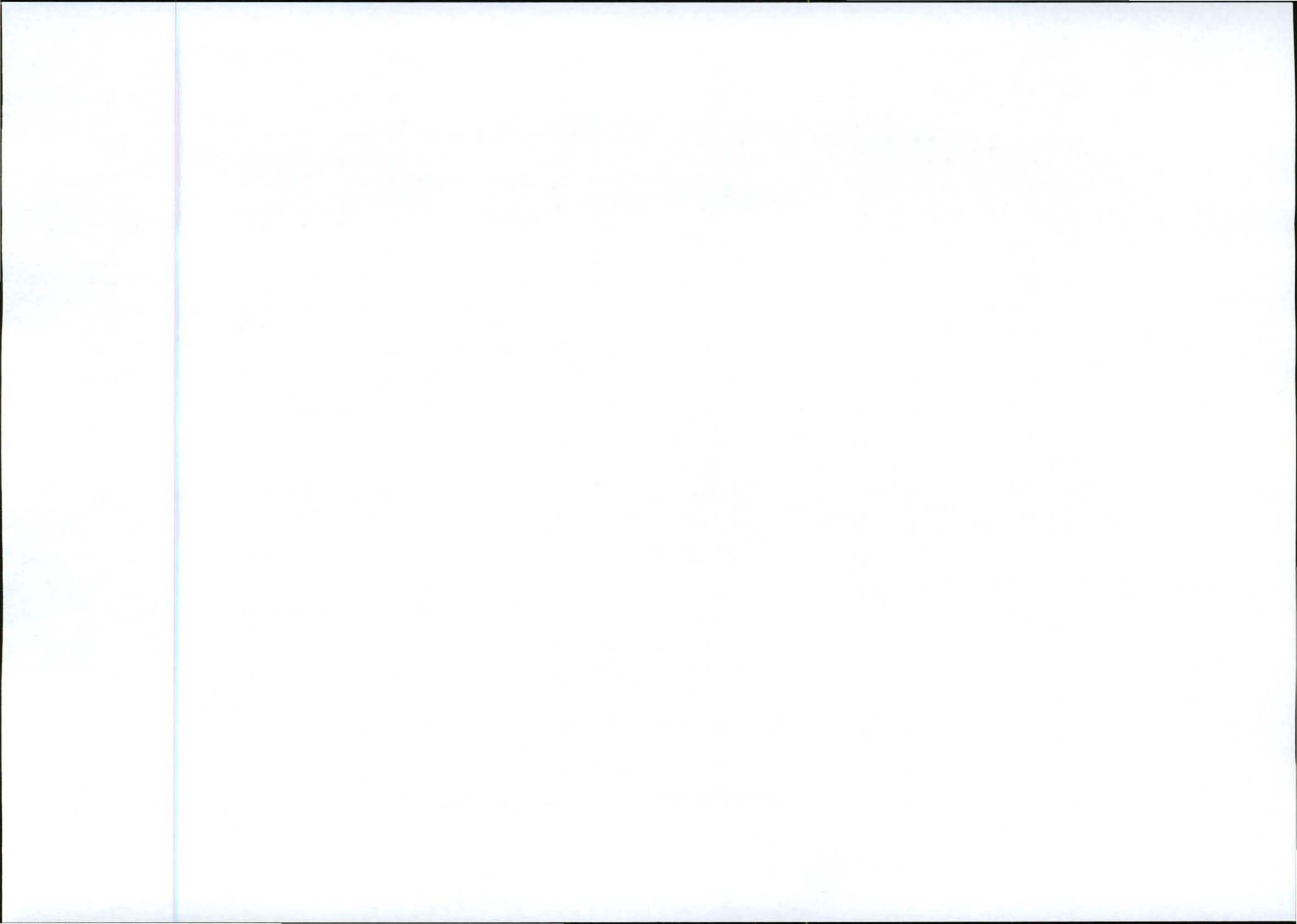
Appendix E9 – Copy of the Register of I&AP's



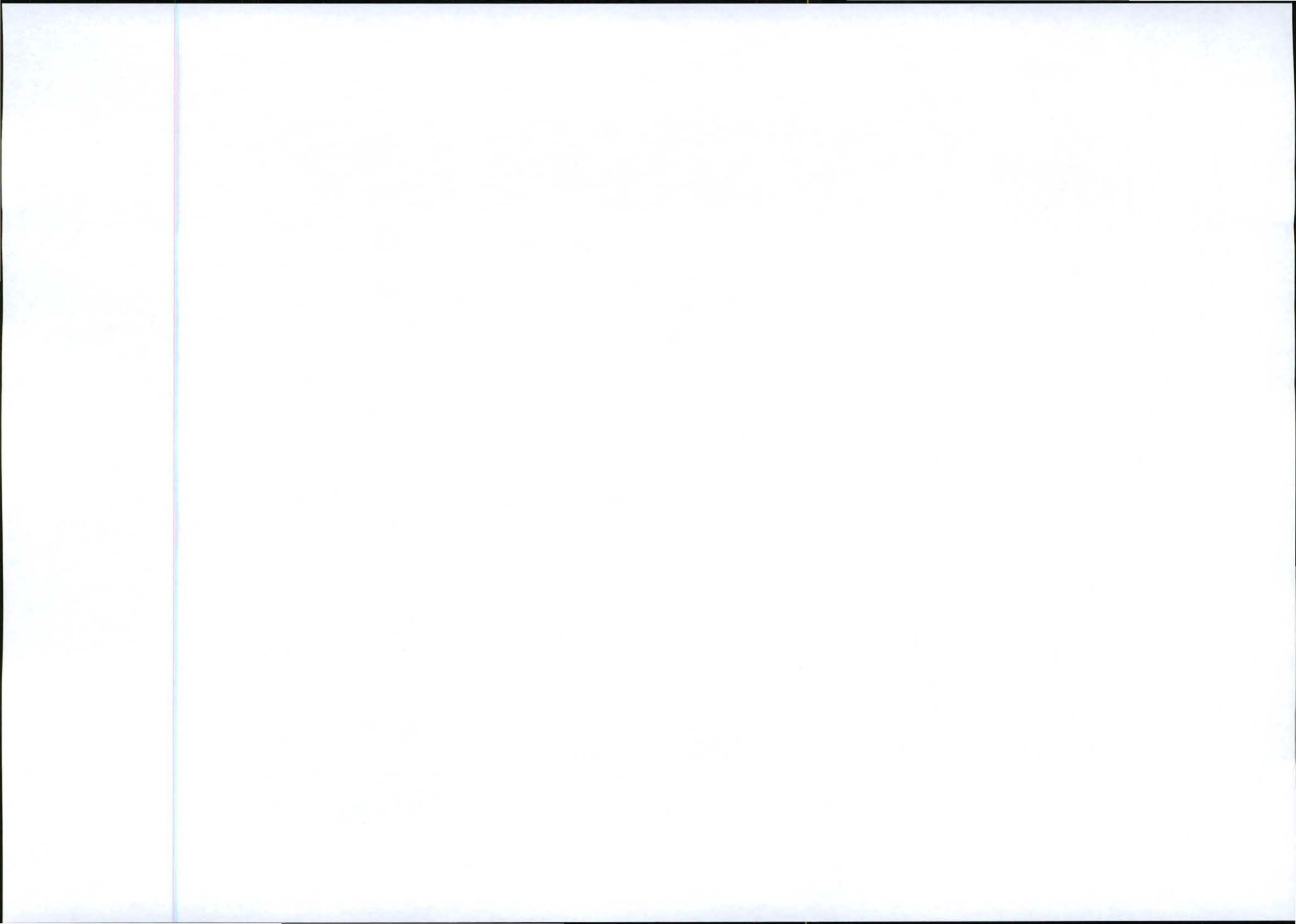
Interested & Affected Parties Register / Comments and Responses Report

Site number: 21165
 Site Name: Vintage Str
 EIA reference no.:Gaut: 002/11-12/E0249

Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of initial I&AP registration	Issues raised / Comments received	EAP Response
1	29/02/2012	The Municipal Manager, Mr. R. Bhana Environmental Management Section	PO Box 1049, Johannesburg, 2000	Fax: (011) 403 1012 Email: rajeshreeb@joburg.org.za	NA	Auto I&AP	No comments received	No comments received
2	29/02/2012	The Ward Councillor, Councillor: JJ Engelbrecht, Ward 97	PO Box 1049, Johannesburg, 2000	Fax: (011) 403 1615	NA	Auto I&AP	No comments received	No comments received
3	21/09/2011	South African Civil Aviation Authority (SACAA)	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	No approval received yet.	-
4	29/02/2012	South African Heritage Resources Agency (SAHRA), Mr. P. Hine	PO Box 4637, Cape Town, 8000	Tel: (021) 462 4502 Fax: (021) 462 4509	NA	Auto I&AP	No comments received	No comments received
5	29/02/2012	Mr. Gustav Nel	Unit 57, Tuscany Manor 1	Email: gustavn@nola.co.za	Public Participation Notice	08/03/2012	Mr. Nel strongly oppose the erection of the tower next to the complex. He says there are numerous articles that proof that such towers are detrimental to one's health. He says that he purchased the unit in the adjacent complex specifically not close to a tower to ensure that his family would not be exposed to the effects of such a tower.	With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs.
6	29/02/2012	K. Naidu	Unit 3, Tuscany Manor 4, Pilotage Steet, Wilgeheuwel	Email: christell@opmsa.co.za	Public Participation Notice	11/03/2012	The I&AP also strongly opposes the activity and is concerned about the health and environmental issues and risks the activity poses. Especially how this will affect the residents' lifestyles.	With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs.
7	29/02/2012	Mr. and Mrs. Muddiman	Tuscany Manor 2, Sjampanje Street, Wilgeheuwel	Email: kmuddiman@heronbridge.co.za	Public Participation Notice	16/03/2012	The I&APs strongly oppose the development on the basis of three reasons: 1. Impact of the activity on the resale value of their property. They base the statement on a study conducted by the Ninth Pacific-Rim Real Estate Society, in Brisbane, Australia. According to this study a cellular tower in close proximity to a property leads to a reduction in property value of 20% on average. 2. Health impact of the tower on them and their neighbours. They believe that prolonged exposure to both thermal and non-thermal effects of the tower could have serious health risks in the long run. They refer to the "Naila study" which gives them cause for concern as they hope to raise a family at the property. 3. They state that there will be an danger of electrical storms in the area when a telecommunications base station is established, which may lead to an increase in power outages, possibility of direct hits and other hazards to their property.	1. No proven cases of telecommunication masts and base stations affecting property values have been reported where such structure have influenced property values negatively. The provision of telecommunication infrastructure is an essential service in urban areas with definite benefits to society and communities in the area. Potential devaluation, as a concept, can also not be dealt with in the environmental assessment process as it belongs in the realm of overall planning and decision making at the national, provincial and local authority level. 2. With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs; 3. With regard to any added danger of electrical storms in the area, which could in turn lead to increase in power outages, possibility of direct hits and other hazards to any property, no scientific proof was provided by the Interested and Affected Party. To the EAP's knowledge, there is no recording of increased lightning strike rates within the specific area surrounding thousands of telecommunication base stations erected worldwide. Telecommunication masts are well earthed and measures are implemented to best absorb any possible lightning strikes.

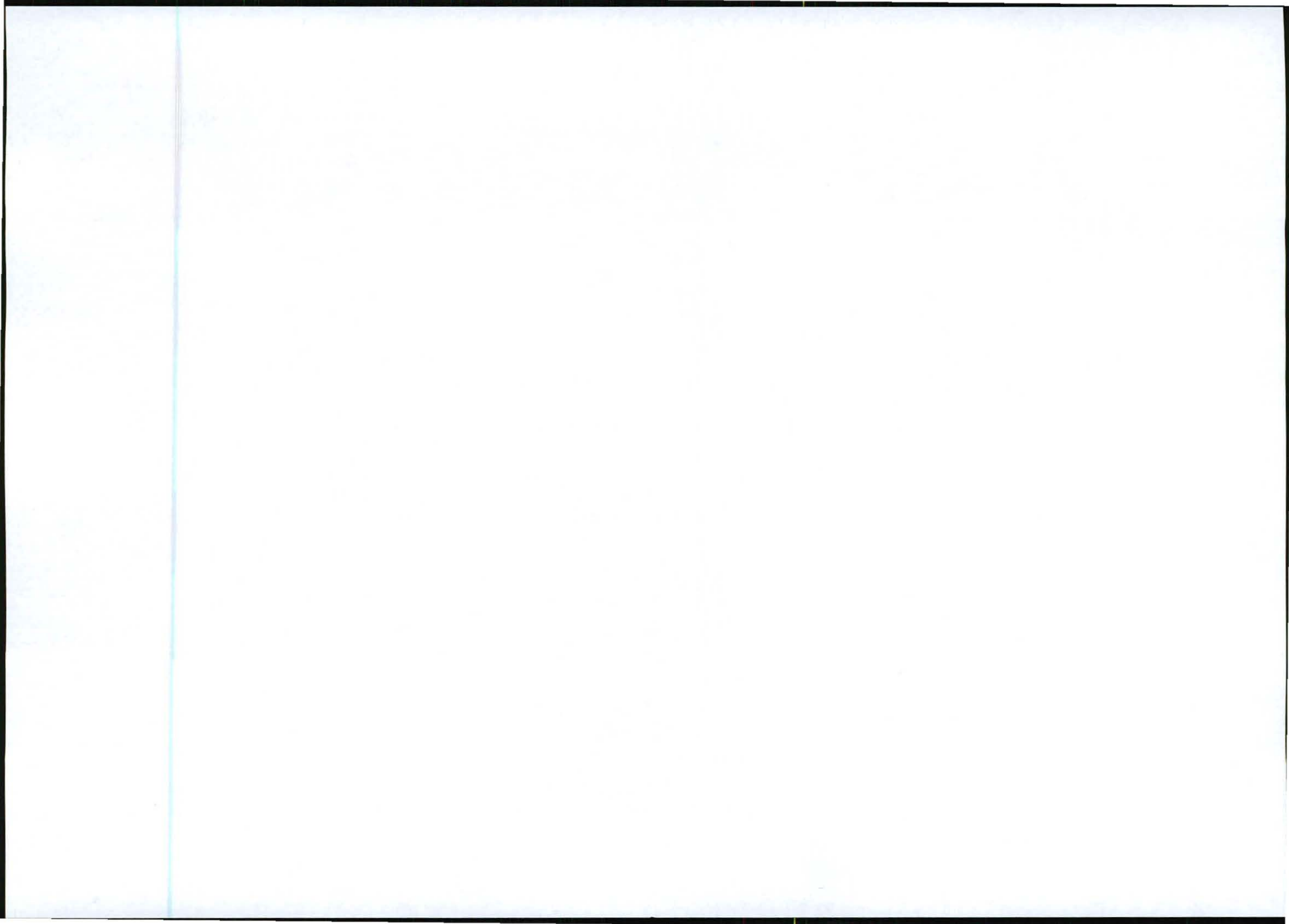


Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of Initial I&AP registration	Issues raised / Comments received	EAP Response
8	29/02/2012	Mr. AA and Mrs. R.M Machado	Unit 43, Tuscany Manor 2	Email: rosa@classic-cleaning.co.uk	Public Participation Notice	23/03/2012	The I&AP says the back of their house faces straight onto the site where the tower is proposed. They strongly oppose the application.	The EAP agrees that visual impact of the telecommunication mast is a prominent impact. Much is done to avoid the proliferation of masts. The suggested position is considered the best position to maintain telecommunication infrastructure and several site alternatives have been investigated without success. Structural design options have been assessed to mitigate visual impact.
9	29/02/2012	Mr. Victor Chepape	Unit 21, Tuscany Manor 1, Vintage Road, Wilgeheuwel Ext 32, Erf 1465	Email: victo.chepape@areva.com	Public Participation Notice	12/03/2012	The I&AP strongly oppose the erection of the telecommunications base station. He state that there are many articles with proof that such towers are detrimental to their health, but he do not refer to any. He says it is a densely populated area and a lot of children, who is at greater risk.	With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs.

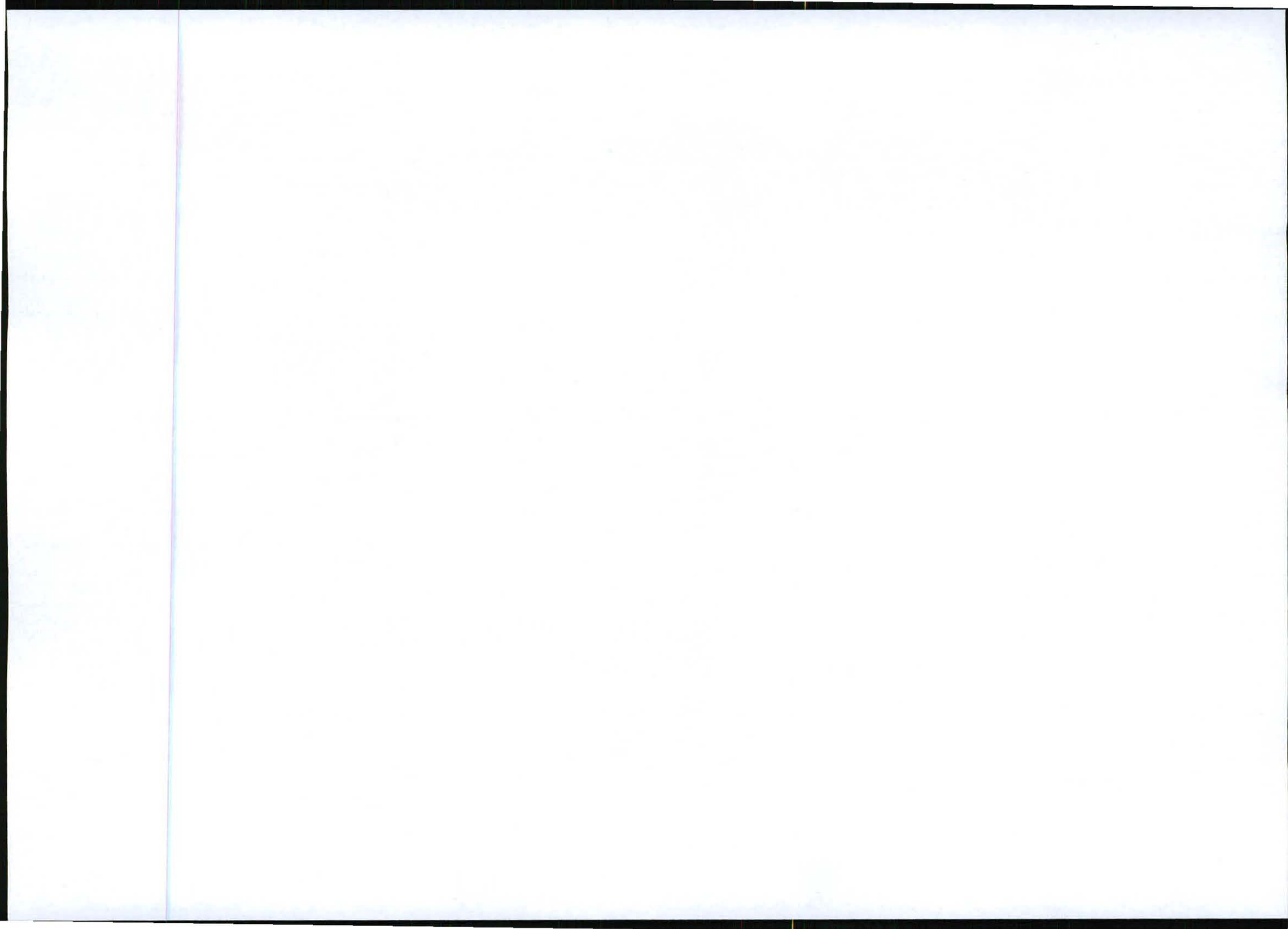


Appendix E10 – Comments from I&AP on the application

No Comments received



Appendix E11 – Other





agriculture and rural development

Department: Agriculture and Rural Development
GAUTENG PROVINCE

Diamond Corner Building, 68 Eloff & Market Street, Johannesburg
P O Box 8769, Johannesburg, 2000

Telephone: (011) 355-1900

Fax: (011) 355-1000

Website: <http://www.gdard.gpg.gov.za>

Reference:	Gaut: 002/11-12/E0249
Enquiries:	Faith Mlambo
Telephone:	(011) 355-1874
Email:	Faith.mlambo@gauteng.gov.za

Torbiose Solutions

Fax no. 086 690 0441 / 086 690 0468

PER FACSIMILE

Dear Sir / Madam

Application for Environmental Authorisation: The establishment of a Vodacom (Pty) Ltd telecommunication mast: 21165 Vintage Street

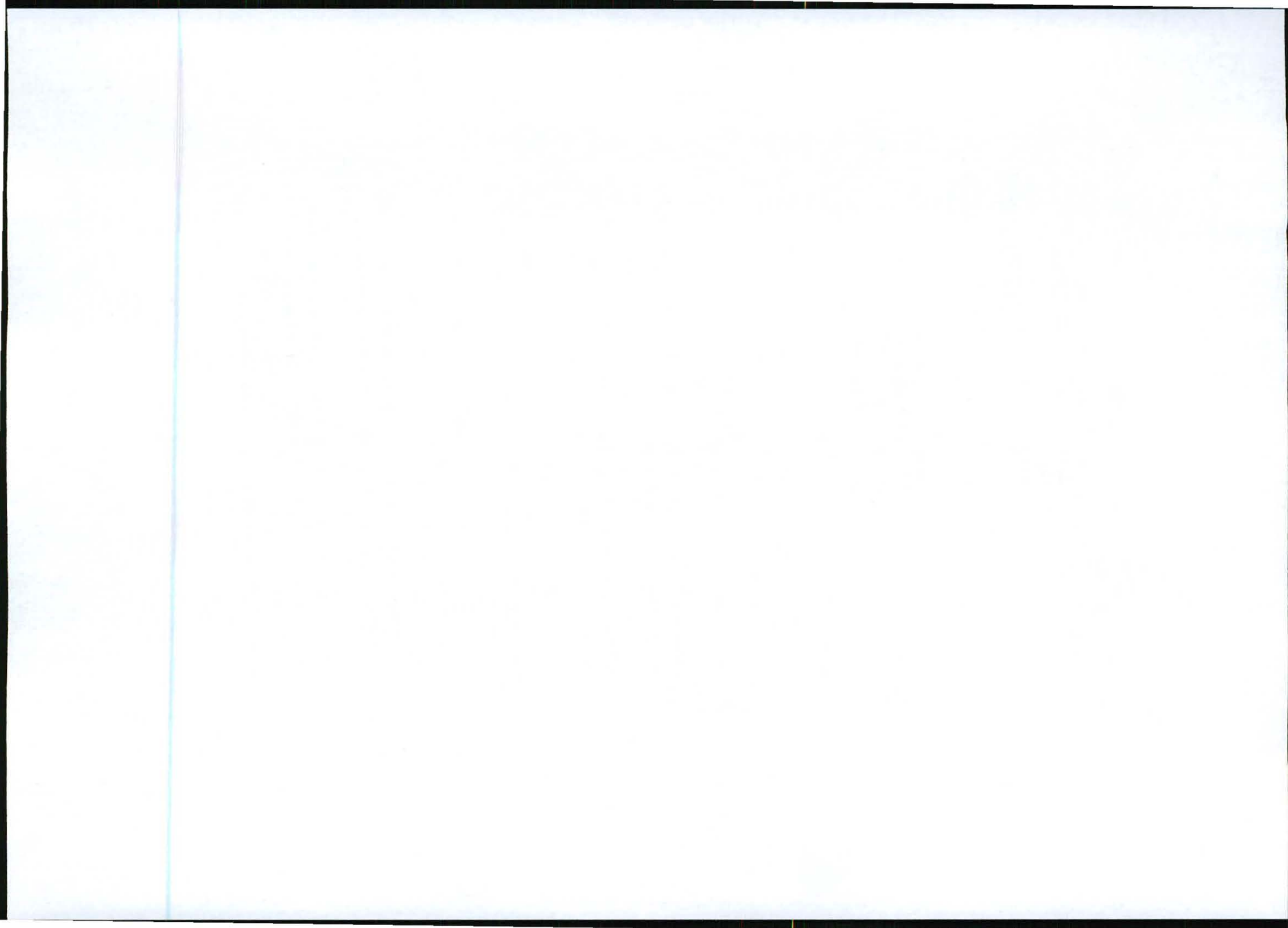
The Department acknowledges having received the application form for environmental authorisation of the above-mentioned project on 26/01/2012.

The application has been assigned the reference number Gaut: 002/11-12/E0249. Kindly quote this reference number in any future correspondence in respect of the application.

Please circulate the draft report to any state department that administers a law relating to a matter affecting the environment to comment.

You are required to submit two (2) copies (full colour CDs-PDF) of the Draft Basic Assessment Report as well as proof of submission to state departments referred to above.

In order to determine whether a biodiversity assessment is required and, if so, which specialist studies are required, please send a shapefile (WGS84 datum; geographic co-ordinate system) of the application site to our biodiversity information service (GDACE_BiodiversityInfo@gauteng.gov.za), the e-mail clearly indicating the project



reference number. Where biodiversity assessment is required; please ensure that it is conducted consistent with the *GDACE Requirements for Biodiversity Assessments*. A copy of this document can be obtained by e-mailing GDACE_BiodiversityInfo@gauteng.gov.za

In terms of Regulation 67(1) (2) of the NEMA EIA Regulations 2010, this application will lapse should you fail to submit the requested information within 6 months of the date of signature of this letter, except in the case where the Department has received and accepted written explanation for failure to submit such information.

Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorisation being granted by the Department.

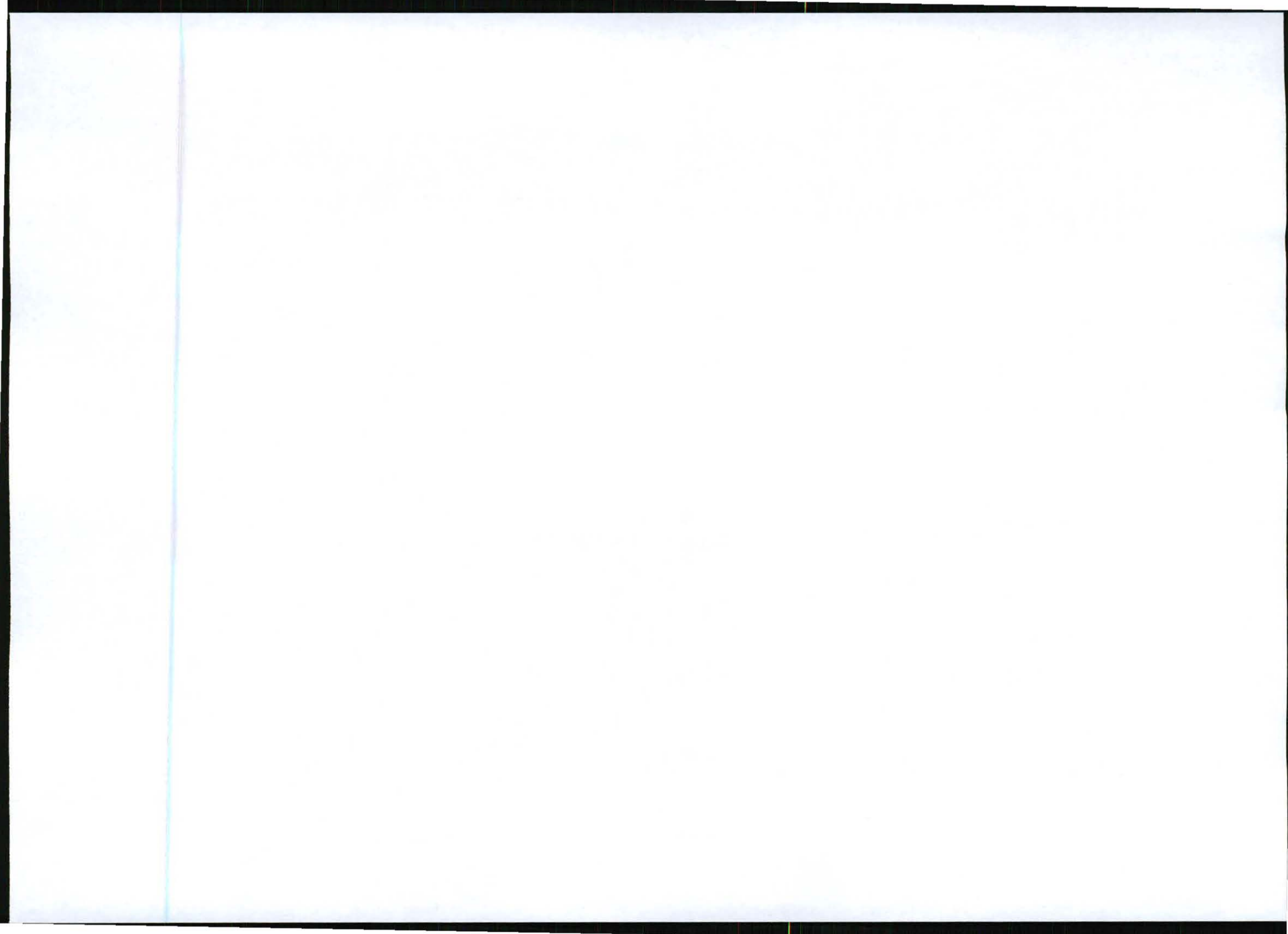
Yours faithfully



Boniswa Belot
Deputy Director: Strategic Administration Support
Date: 27/01/2012

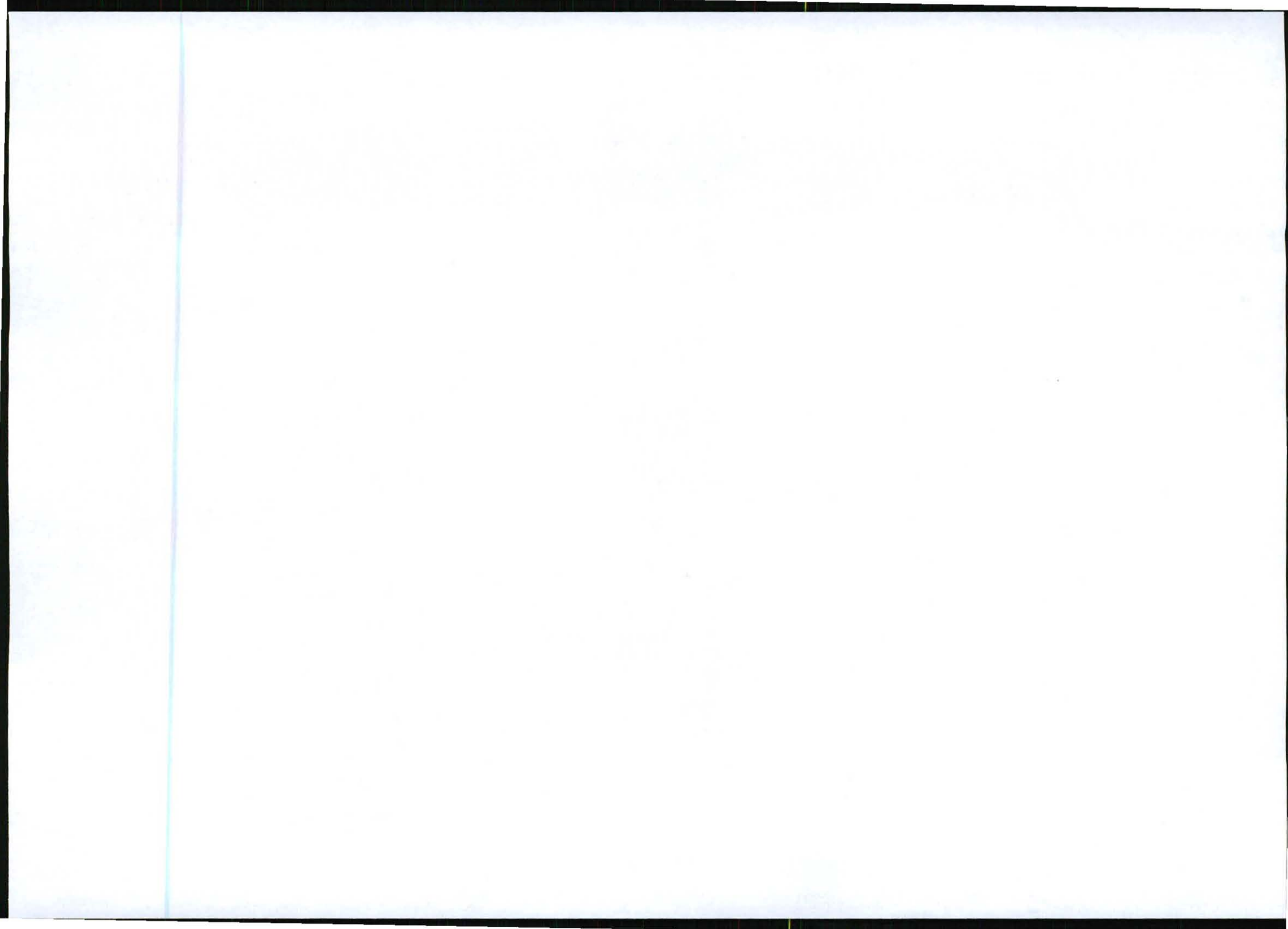
CC: Vodacom (Pty) Ltd

Att: Ayesha Adams
Tel: 011 282 6210
Fax: 011 848 8629

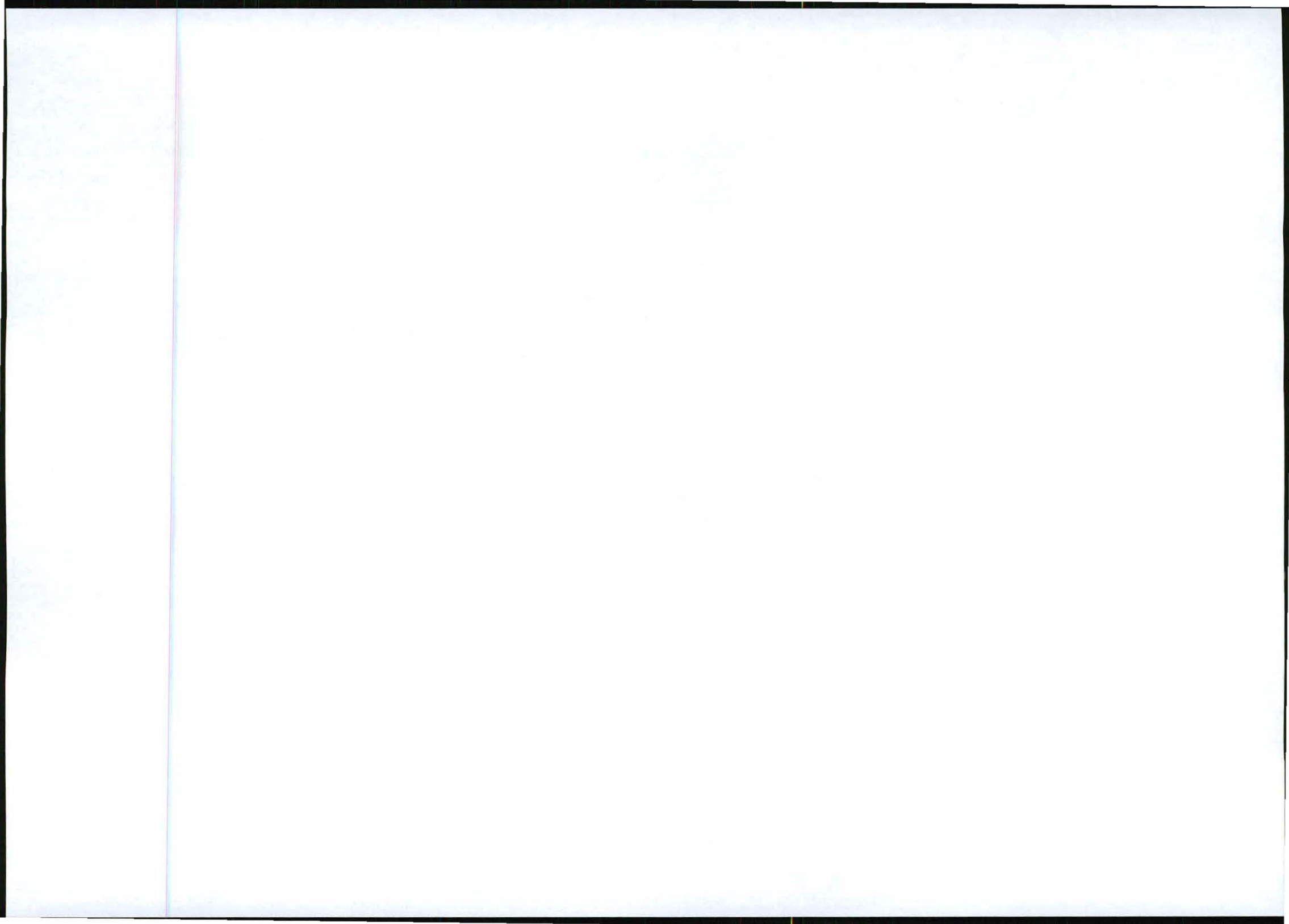


**Appendix F: Water Use license, SAHRA information, letters from
Municipalities, Water Supply Information**

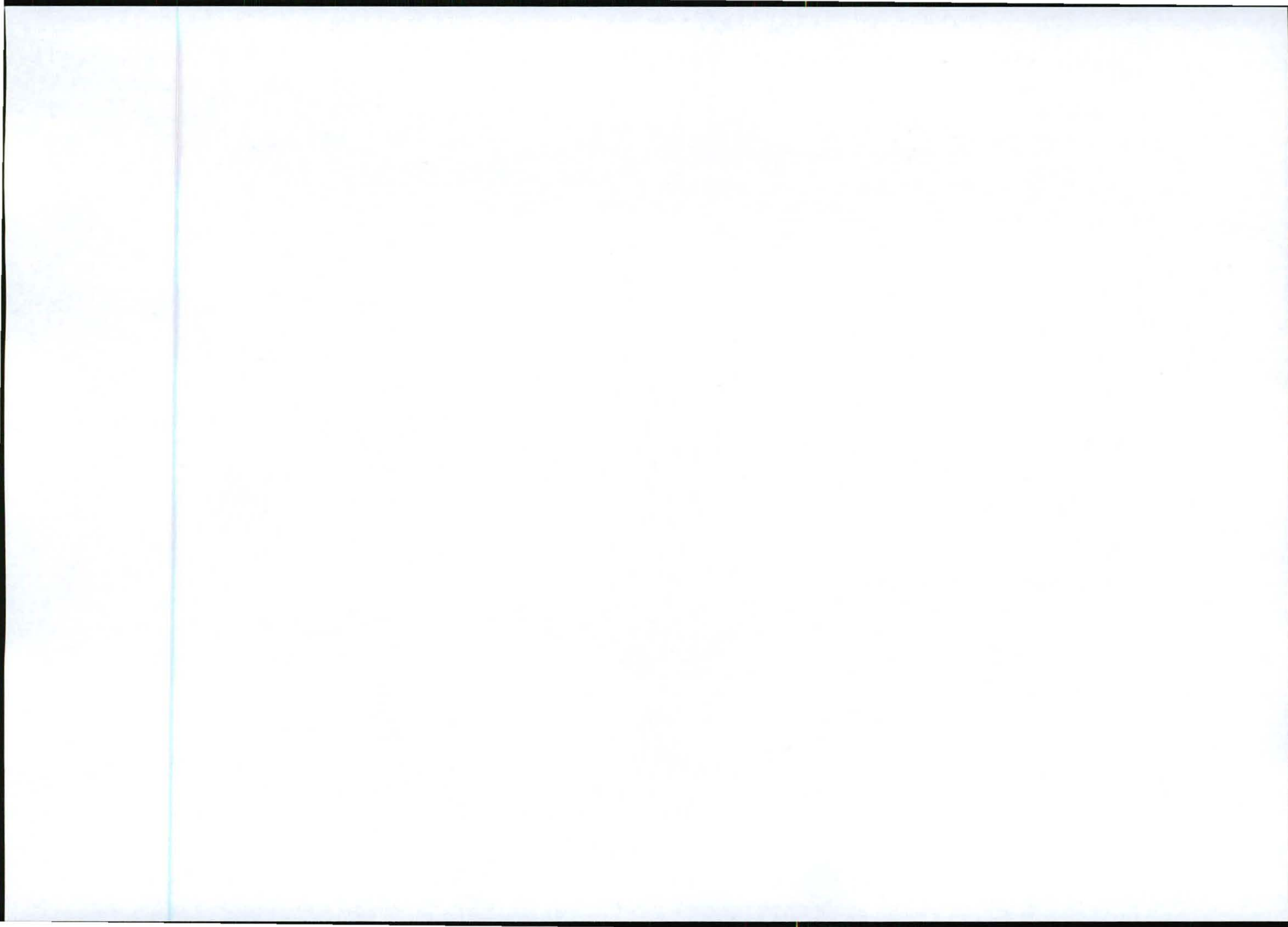
NOT APPLICABLE



**Appendix G: Specialists Reports
NOT APPLICABLE**



Appendix H: EMPr





ENVIRONMENTAL MANAGEMENT PLAN

**Construction and Maintenance of Vodacom
Cellular Base Stations**

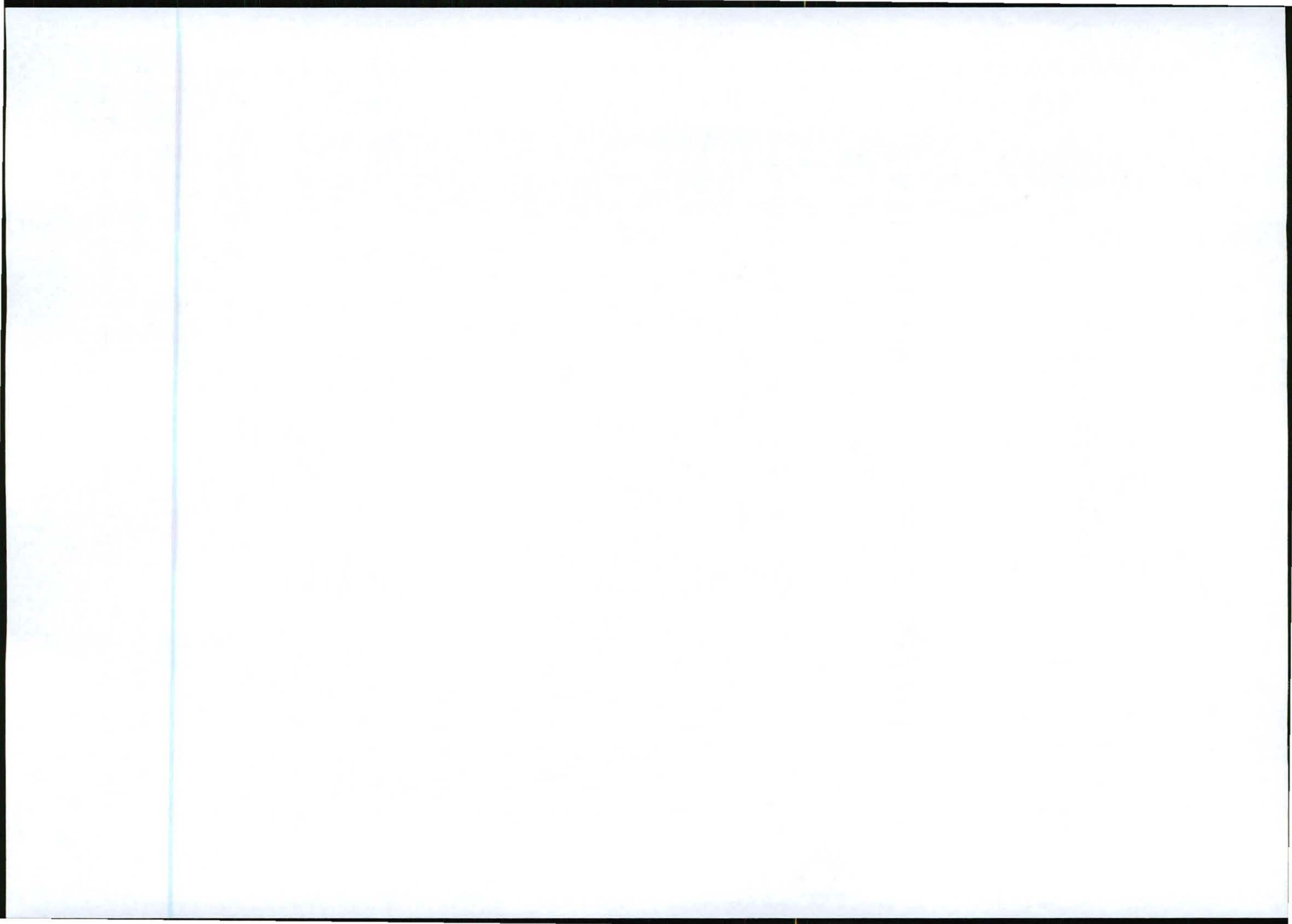


NB PROJECTS
ENVIRONMENTAL MANAGEMENT

PO Box 73514
Fairand
2030

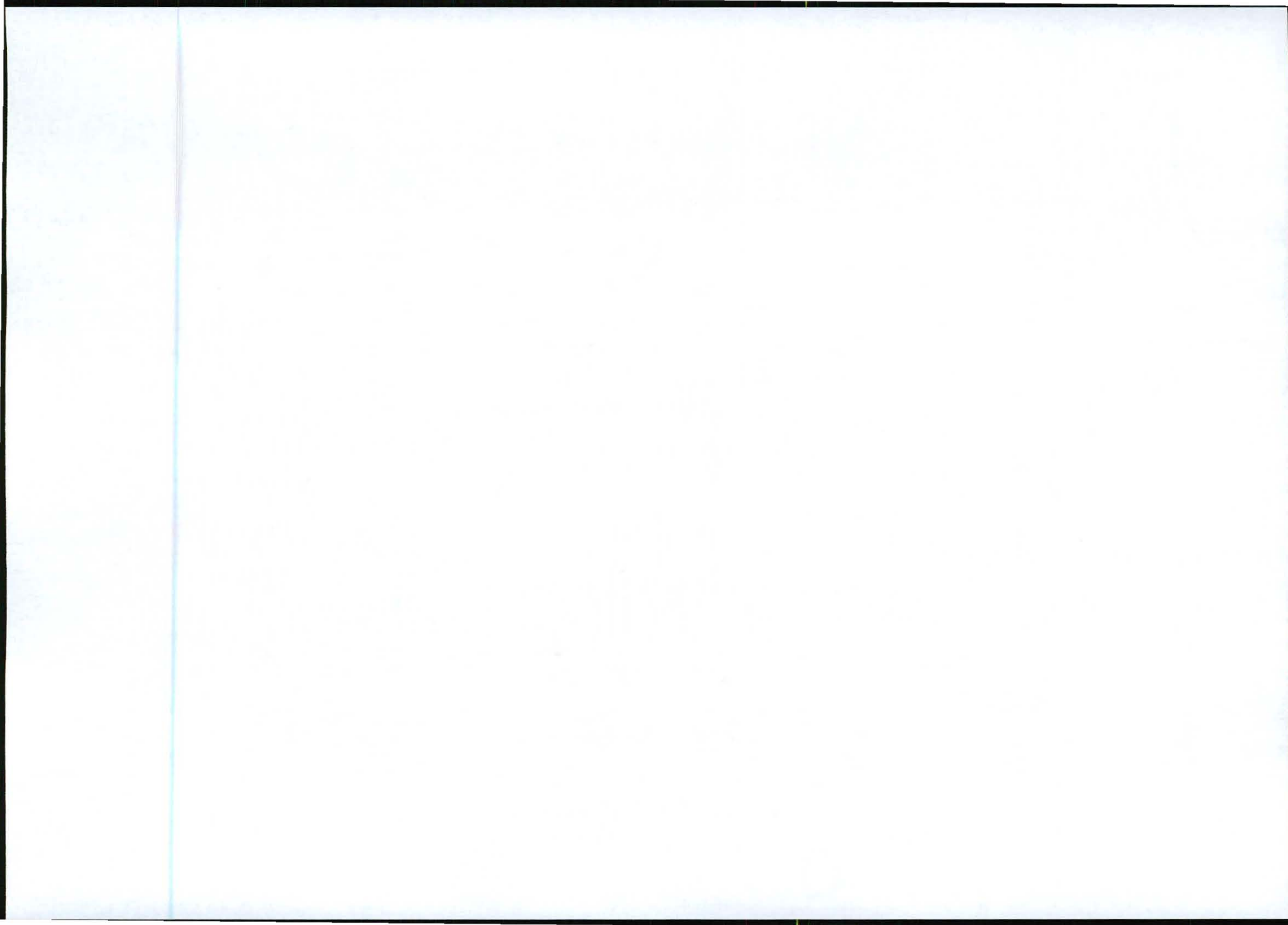
☎ 011 678 4685
☎ 086 682 4479

✉ nbprojects@global.co.za



INDEX

1. INTRODUCTION.....	3
2. ENVIRONMENTAL DESIGN AND SPECIFICATIONS.....	4
3. DEFINITIONS	4
4. THE CONTRACT	5
5. ENVIRONMENTAL CONSTRUCTION SUPERVISION	5
6. ENVIRONMENTAL SPECIFICATIONS AND CONDITIONS	6
6.1 General Obligations during the Pre-Construction and Construction Phase.....	6
6.1.1 Specification	6
6.1.2 Environmental Impact Assessment (EIA)	6
6.1.3 Dust, Noise and Water Pollution.....	6
6.1.4 Protection of Flora and Fauna.....	6
6.1.5 Litter.....	7
6.1.6 Blasting.....	7
6.1.6 Excavations	7
6.1.7 Surface	7
6.1.8 Preservation of Historical Sites and Objects.....	7
6.1.9 Site Access Road	8
6.1.10 Stormwater Management.....	8
6.1.11 Servicing of Vehicles and Equipment on Site	9
6.1.12 Temporary Power Supply	9
6.1.13 Fire Prevention.....	9
6.1.14 Cooking and Washing Facilities.....	9
6.2 Construction Camp	9
6.2.1 Staff Facilities	9
6.2.2 Accommodation.....	9
6.2.3 Ablution Facilities.....	10
6.2.4 Security and Privacy	10
6.2.5 Water Supply	10
6.2.6 Solid Waste Disposal	10
6.3 Cellular Installation Site	10
6.3.1 Site Clearance and Leveling	10
6.3.2 Foundation Preparation.....	10
6.3.3 Herbicides and Insecticides	11
6.3.4 Fencing and Security of the Sites	11
6.3.5 Sourcing Materials from the Site	11
6.3.6 Chemical, Fuel, and Oil Handling.....	12
6.3.7 Structure Assembly Area	12
6.3.8 Priming and Painting	12
6.3.9 Electrical Connections.....	12
6.3.10 Visual Impacts.....	12
6.3.11 Rehabilitation	13
6.4 Post-Construction and Operational Phases	13
6.4.1 Servicing and Maintenance.....	13
6.4.2 Decommissioning of the Site	13
7. AMENDMENTS TO THE EMP	13



ENVIRONMENTAL MANAGEMENT PLAN

VODACOM CELLULAR COMMUNICATION STRUCTURES

1. INTRODUCTION

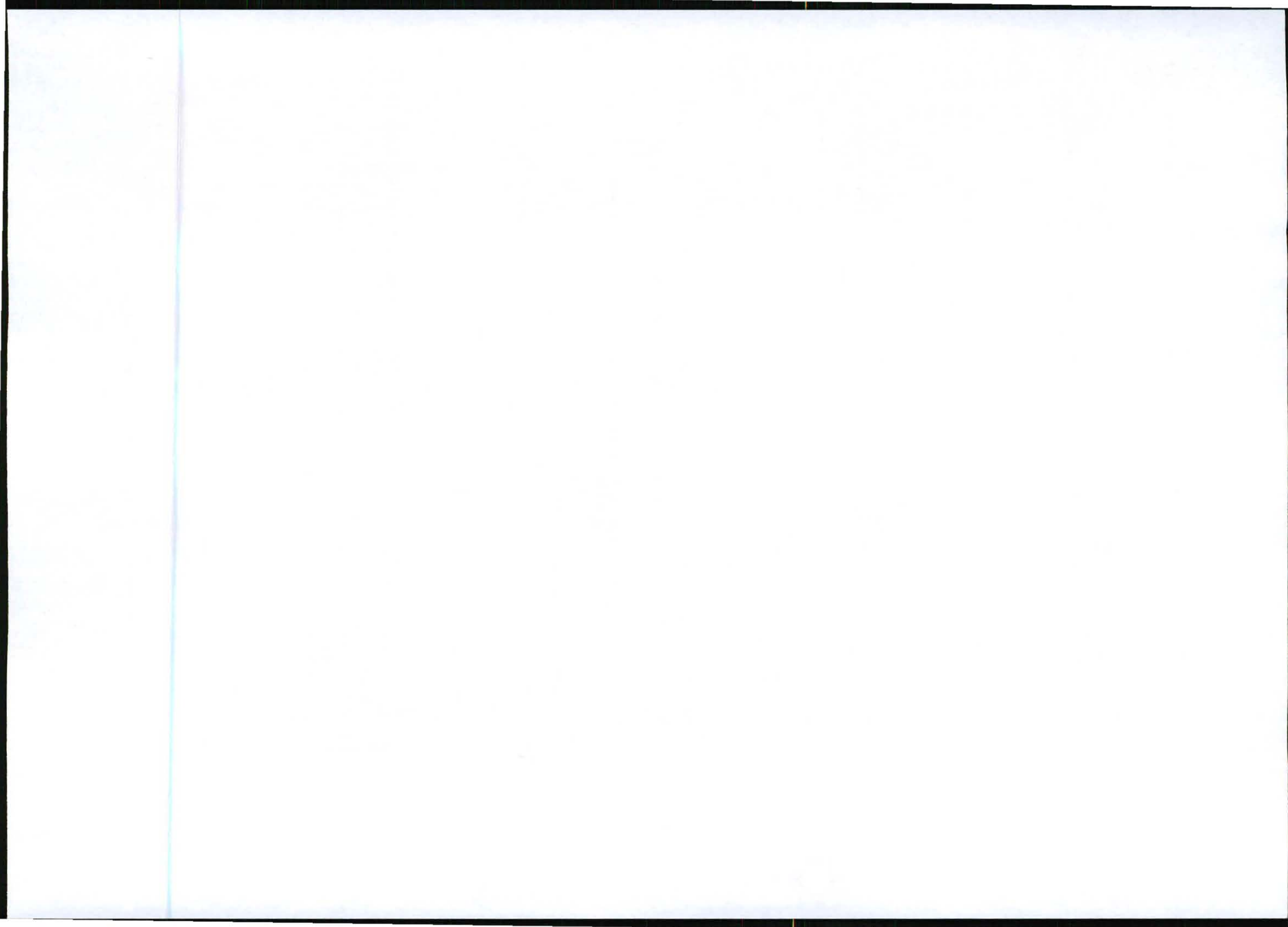
In terms of the National Environmental Management Act of 1998 (Act No. 107 of 1998) activities related to the construction of cellular base stations and associated infrastructure may have an impact on the environment and it is imperative that precautions be taken to ensure that environmental damage is minimised. The purpose of the Environmental Management Plan (EMP) is to give effect to precautionary measures, which are to be put in place for controlling the activities that take place on site during the construction and the operational phases of a project and to serve as a working document concentrating specifically on certain activities with the purpose of reducing the danger of adverse impacts or effects on the environment.

The EMP specifies procedures and practices, which should be implemented during construction activities, and monitored by an Environmental Control Officer (ECO) approved by the Department of Agriculture, Conservation and Environment (DACE).

The objectives of the EMP are to:

- Ensure that all pertinent environmental issues and the concerns of DACE are addressed;
- Ensure that the project is in compliance with national, provincial and local environmental legislation and regulations;
- Determine environmental conditions and sensitivities of the site and areas outside that may be impacted on by the project;
- Ensure acceptability of design and construction practices with respect to identified impacts and prescribed mitigation measures;
- Provide strategies for obtaining and/or complying with all environmental approvals, permits and agreements, and to provide a monitoring program;
- Integrate environmental strategies with all design and construction work; and
- Provide input and strategies for environmental quality control and risk management during all phases of the project.

The EMP presented here incorporates these components through the environmental design criteria and specifications for cellular base stations and associated infrastructure. To ensure the effective implementation of these criteria and specifications, Vodacom must be committed to undertaking a program of environmental monitoring during the construction phase. An ECO must provide this service to the applicant. The ECO should ensure compliance by all contractors and subcontractors with the requirements of the EMP.



2. ENVIRONMENTAL DESIGN AND SPECIFICATIONS

The project involves the establishment of a telecommunication base station that may include the following activities for which environmental design criteria and specifications have been developed:

- A mast of any type or height;
- Split poles and mounting brackets;
- Equipment room and/or containers;
- Receiving and transmission equipment of any size or design;
- Electronic cabling connections;
- Electrical connection;
- Security fencing or walling;
- Access road; and
- Any equipment or activity necessary for the establishment of the base station.

3. DEFINITIONS

In this document, unless the context requires otherwise -

- **Pre-construction**
Involves all facets for the preparation of the site for construction.
- **Construction**
For the purpose of this document construction is defined as the erection of cellular structures and the installation of electronic equipment.
- **Post-construction / Operational**
This phase includes the take-over of the site by the service provider and the period during which the structure is operational.
- **Decommissioning Phase**
This phase provides dismantling of the cellular structure and the removal of equipment.



4. THE CONTRACT

The EMP shall form part of the legal contract between Vodacom, the contractor and the subcontractors. Vodacom shall build the EMP into all contracts and commit the contractors to make the EMP part of any works subcontracted. Failing to adhere to the EMP requirements shall lead to severe penalties to be levied against the contractor and/or subcontractors.

A commitment from Vodacom and its contractors and subcontractors are required on the following issues:

- Always behave professionally on and off site;
- Ensure quality of work done, technical and environmental;
- Resolve problems and claims arising from construction and/or maintenance damage immediately to ensure a smooth flow of operations;
- To use this EMP for the benefit of all involved;
- To preserve the natural environment by limiting destructive actions on site;

An agreement is to be signed by the contractors and/or subcontractors that:

- He knows and understands the contents of the EMP;
- He is able and shall comply with all legislation pertaining to the nature of the work to be done and all things incidental thereto.

Vodacom will institute contractual measurements to ascertain that its contractors and/or subcontractors and representatives adhere to the environmental obligations agreed upon.

5. ENVIRONMENTAL CONSTRUCTION SUPERVISION

An Environmental Control Officer (ECO) must be appointed to ensure that construction activities associated with the establishment of a base station will comply with environmental specifications and regulatory requirements, thus minimising adverse biophysical and social impacts and resulting liabilities.

During construction, the ECO's key responsibility will be to ensure that the environmental management measures, controls, and specifications are properly implemented as per the terms and conditions issued by DACE. Responsibilities will include:

- Delivering environmental education and awareness to construction staff prior to and during on-site works;
- Providing technical assistance on environmental matters to construction staff;
- Inspecting all activities during construction to ensure compliance with terms and conditions of approvals; and
- Documenting construction activities by notes and photographs.



The ECO will act independently from construction management and, acting reasonably, have the authority to suspend those construction activities that may cause unacceptable environmental harm, and prescribe mitigation measures.

6. ENVIRONMENTAL SPECIFICATIONS AND CONDITIONS

To assist in complying with the applicable national and municipal laws, regulations, permits, licenses and approvals, the following Environmental Specifications and Conditions have been drafted. These specifications are not exhaustive and are meant to clarify various regulatory requirements. In the event of a discrepancy between these guidelines and legislation and/or regulations, the latter shall apply or if regulations or laws are amended, the amended regulations may apply.

6.1 General Obligations during the Pre-Construction and Construction Phase

6.1.1 Specification

The specification of the design and materials to be utilised in the construction of the cellular base station and associated infrastructure must comply with the minimum specification requirements as prescribed by Vodacom.

6.1.2 Environmental Impact Assessment (EIA)

The site must be positioned and designed in accordance with the specific conditions as set out in the Record of Decision. The contractor shall observe all requirements and recommendations specified in the Record of Decision with specific reference to the type, height and colour of the mast and equipment.

6.1.3 Dust, Noise and Water Pollution

Affected parties on or in the vicinity of the site, including in particular surrounding landowners and any official responsible for existing installations on the site, shall be advised in advance of unavoidable disturbances.

Activities that generate unavoidable disturbances through the creation of noise or dust must be limited to normal working hours in order to avoid complaints by the surrounding landowners. The contractor shall address any complaints.

The contractor shall identify any water resource in the proximity of the site and shall ensure that drainage from construction areas is such that the clarity and quality of water is in no way affected by construction activities.

6.1.4 Protection of Flora and Fauna

The contractor and subcontractors shall under no circumstances interfere with livestock without the owner being present. This includes the moving of livestock where they interfere with construction activities.

Trampling and disturbance associated with construction activities should be limited to within five metres of the footprint of the site. Ensure minimal disturbance to the natural flora and fauna of the area.



Special care shall be taken not to remove or damage any protected or endangered species that may occur on the site. Permits for removal must be obtained should such species be affected.

6.1.5 Litter

The contractor shall not permit work teams to litter tins, paper, glass etc. and construction debris. On completion of the project all litter and construction debris shall be removed from the site immediately. Under no circumstances shall litter and debris be buried or hidden on or near the site after project completion.

6.1.6 Blasting

The Contractor shall notify the community should blasting be required and shall adhere to the requirements of the Explosives Act, 1956. Notices shall be placed on site in order to inform the adjacent owners of blasting activities and the contractor shall give all potentially affected parties notice of his intent to execute any blasting work. Blasting will be done at appropriate times of the day to ensure that noise disturbance and vibrations are kept to a minimum, and blasting will be undertaken using appropriate techniques.

The contractor will be bound to ensure that blasting operations do not cause damage to property. The contractor shall also be obliged to ensure that the dangers of fly rock to people and properties are eliminated. The contractor shall keep a photographic record of the condition of the affected buildings or structures and shall acquire the signature of the surrounding owners/occupants agreeing to the condition of the structures.

6.1.6 Excavations

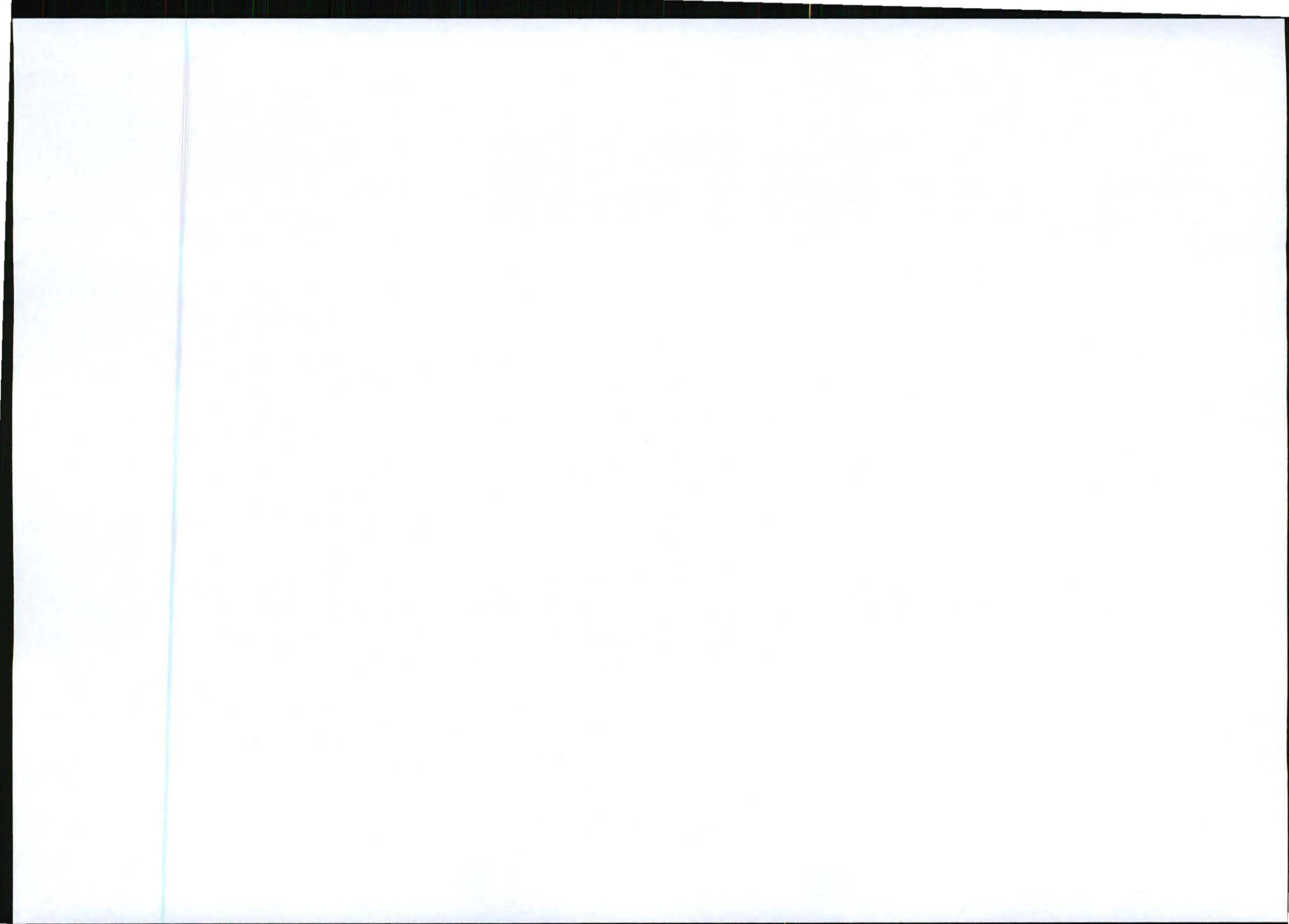
Unless otherwise specified by the Vodacom Environmental Representative, topsoil shall be stockpiled separately from the base course material. Fill slopes are to be allowed to slump to their naturally occurring slope and cut embankments are to be cut back to a 1:3 slope. All slopes are to be covered by a minimum of 200mm depth of topsoil during the rehabilitation phase of the project.

6.1.7 Surface

Surfacing material selected shall be compatible with the surrounding environment.

6.1.8 Preservation of Historical Sites and Objects

If a seemingly historical object, gravestone, geological feature or other distinguishable area of disturbance is observed on the site, the said object or area shall not be removed or tampered with. The contractor shall immediately report the presence of seemingly historical sites and objects to Vodacom.



6.1.9 Site Access Road

The access road to the construction site as well as the installation of new gates in fence lines shall be established in consultation with the landowner. Vehicles are to make use of existing roads and tracks as far as possible.

Should a portion of an access road be newly constructed, the following must be adhered to:

- The route of the access road shall be selected in order to ensure that no trees or minimal amount of trees are felled for this purposes;
- The position of existing fence lines will be followed as far as possible;
- Watercourses and steep gradients shall be avoided as far as possible;
- Adequate drainage and erosion protection measures in the form of contour humps will be provided as deemed necessary by the ECO.

Access to the site and to any other properties served by any access road used by the contractor shall be maintained during construction to avoid dust or water pollution where water resources are located in proximity to the roads.

The area affected by the access road, turning circles and parking of vehicles around the site shall be minimised. Vehicles shall adhere to the designated roads and areas and not be allowed to depart from it. The contractor shall implement the rehabilitation of the area affected by the access road.

When the construction of a new site necessitates the installation of drainage pipes or culverts, it shall be done not to impede the flow of water. This is particularly applicable to what might be perceived as minor streams.

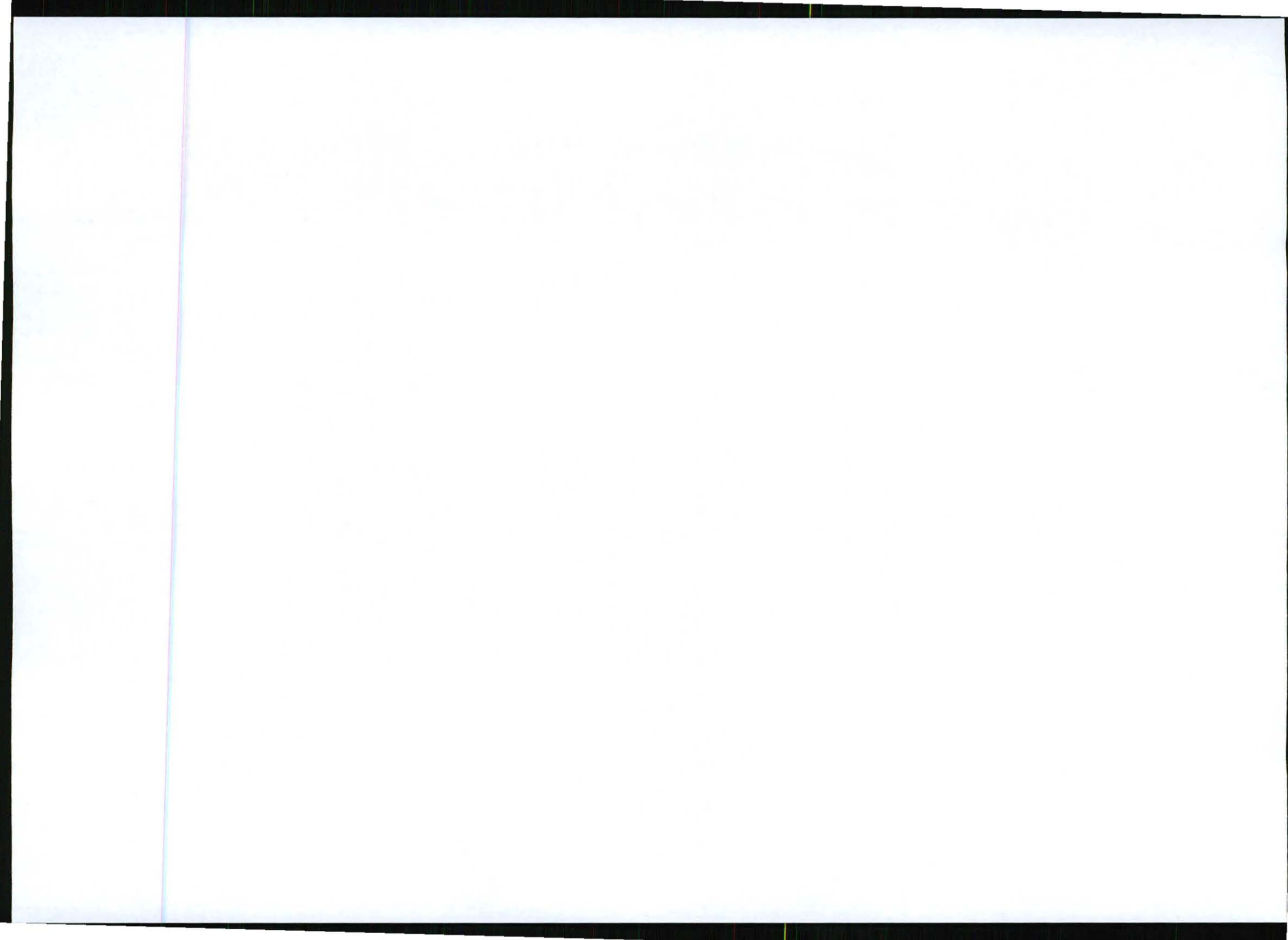
No road shall be built at a gradient steeper than 1:6 unless designed and approved by an Engineer. The construction of adequate stormwater control and dissipation shall be undertaken so that the natural flow of water is not cut off.

6.1.10 Stormwater Management

Before the commencement of construction, the ECO shall indicate which stormwater measures should be applied during the construction of the cellular base station and associated infrastructure.

During construction and particularly during the rainy season, berm walls shall be installed around the stockpiled areas on the site to prevent stormwater depositing this material onto adjacent properties or roads.

The contractor and subcontractors shall adhere to the recommendations of the ECO and the design specifications.



6.1.11 Servicing of Vehicles and Equipment on Site

No servicing of vehicles is to be permitted on site. Servicing of equipment may take place on site but only when unavoidable, such as generators. In this case, all steps must be taken to ensure that no oil is spilt and that all waste, such as filters, is removed from the site and disposed in an environmentally legal manner.

6.1.12 Temporary Power Supply

Should a generator be deployed such generator shall comply with the maximum noise levels as stipulated in the Noise Control Regulations published under the Environment Conservation Act, 1989 (Act No 73 of 1989)

6.1.13 Fire Prevention

No open fires shall be allowed in the veld under any circumstances.

The contractor shall ensure that adequate fire fighting equipment, fit for purpose and reasonable in the circumstances, is available on site at all times. All personnel on the site shall be trained in the use of such equipment.

6.1.14 Cooking and Washing Facilities

Ensure that safe and adequate provisions are made for the contractor's personnel to cook and wash without creating risks of fire and water pollution. If methane gas is used, care should be taken to ensure that no leakage or risk of explosion exists.

In environmentally sensitive areas, preference shall be given to the use of biodegradable soaps for the washing of cooking utensils and the collection of wood shall be disallowed. Under all circumstances, if the collection of wood is to be allowed, it is to be done so only with the permission of the landowner. No poaching or hunting of animals of any kind shall be permitted.

6.2 Construction Camp

The contractor shall pay specific attention to the following aspects:

6.2.1 Staff Facilities

Define the area of the construction camp and place it so as to have minimal impact on the environment.

6.2.2 Accommodation

Make suitable arrangements for accommodating the workers in a designated area that has been approved by the landowner and ECO.



6.2.3 Ablution Facilities

Should existing toilet facilities not be available on or near the construction site, such facilities shall be supplied and maintained for the use of the contractor's staff. Regular inspections shall be carried out to ensure toilets are kept in a hygienic state. Toilet paper shall be supplied to all toilets. Staff shall be advised to the fact that they should use these toilets at all times.

6.2.4 Security and Privacy

During the construction period the inconvenience to the surrounding property owners should be kept to an absolute minimum. The management of workers during construction is essential to avoid intrusion of people's privacy and properties. Define the area of the construction camp in such a manner as to limit the movement of site personnel.

6.2.5 Water Supply

Agree upon the source of water supply with the ECO and the landowner.

6.2.6 Solid Waste Disposal

Agree upon the method of waste disposal with the ECO. Particular attention shall be given to the disposal of solvents and other products used in the painting as well as any plastic components used in electrical wiring. The collection point for waste material shall be an enclosed structure to eliminate the risk of wind scatter. All waste must be disposed to a previously identified, registered or permitted waste disposal site.

6.3 Cellular Installation Site

The contractor shall pay specific attention to the following aspects:

6.3.1 Site Clearance and Leveling

Clear the area of the site paying specific attention to the specifications of the EMP.

Level the area of the site and remove any surplus material from the site. Topsoil should be stockpiled to be used in the rehabilitation process.

6.3.2 Foundation Preparation

Material emanating from the excavation of foundations should be stockpiled for later use in the rehabilitation of the site. When casting concrete foundations, care must be taken to avoid spilling concrete on the site. Any material spilled must be collected and disposed of with the other waste from the site.



Ensure that no erosion of the foundation takes place, especially if gravel is used beyond the perimeter of the fence for the leveling of the foundation. All fill originating from the site shall be leveled and incorporated into the surroundings and rehabilitated in such a way that it blends in with the surrounding natural environment. All excess construction material shall be removed from the site by the contractor and disposed to a previously identified waste disposal site as approved by the ECO.

6.3.3 Herbicides and Insecticides

Should it be necessary to make use of herbicides and insecticides to protect the installations, the application of such chemicals shall be restricted to the base station site.

The application of the herbicides and insecticides shall be done in accordance with the stipulations of The Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act No 36 of 1947.

The contractor applying any herbicides and insecticides shall be in possession of a Pest Control Operator (PCO) license.

The application of the chemicals shall not exceed the prescribed dosage for the specific product used.

Sites located on a slope or in close proximity to a watercourse shall be treated with extreme caution as to ensure that no leaching occurs.

In all instances the application of the herbicides and insecticides should be of such nature that it will not cause any environmental harm.

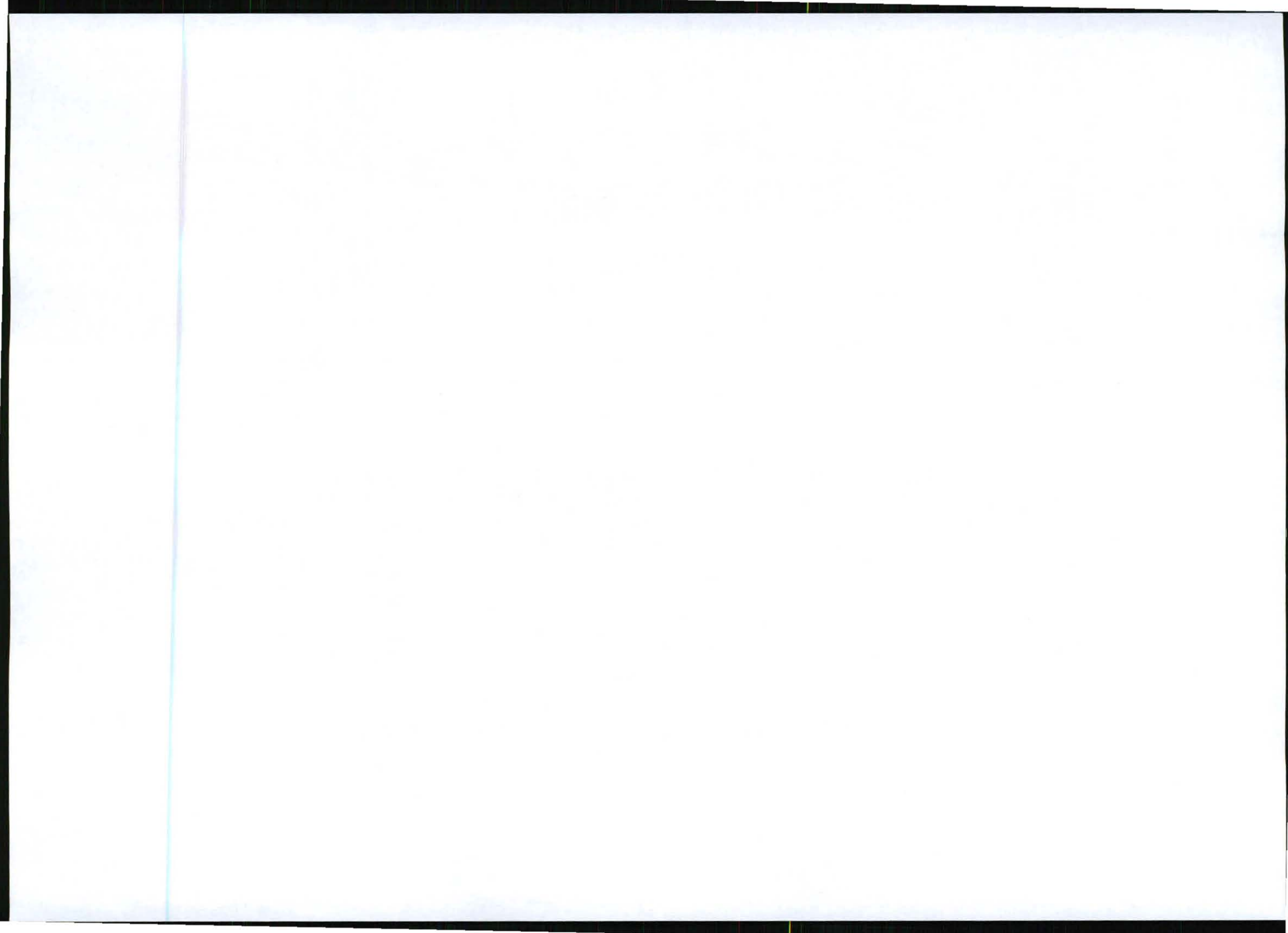
6.3.4 Fencing and Security of the Sites

When required in terms of the Specific Conditions of the Record of Decision a security fence shall be erected around the site.

Lighting of the site shall be done in such a way that it will not be an inconvenience to surrounding landowners.

6.3.5 Sourcing Materials from the Site

The contractor shall store sand stone and cement in a demarcated area and care shall be taken not to allow any materials to spill beyond the site. Concrete mixing shall take place in a defined area and on top of boarding or sheeting so as to protect the ground. These boards and/or sheeting shall be removed from the site once the mixing is complete. Any spillage or overrun of material, which may occur, must be cleaned and removed from the site by the contractor.



6.3.6 Chemical, Fuel, and Oil Handling

All Contractors shall ensure that an emergency cleanup program is in place in event of an accidental spill or leak of fuel, oil, chemicals, or other hazardous substances.

Spillage of oil from crankcase oil draining or other such activities shall be prevented. If an accident occurs and fuels, oils, chemicals, or other hazardous materials are spilled or dumped on the ground, the affected soil shall be removed, placed in drums and disposed of in compliance with national legislation.

Disposal and storage of materials such as water, rags, and pads, containing oils, filters, chemicals, liquid fuels, lubricating oils, or other potentially hazardous materials shall be in a manner satisfactory to the ECO.

Hazardous chemicals, fuels, and other noxious or toxic substances shall be stored in covered containers in fenced areas for security reasons.

6.3.7 Structure Assembly Area

An area shall be defined by the contractor to allow for the assembly of the mast. This must take into account the need for off-loading or the component parts and positioning of the crane on solid ground for the final erection of the mast. This shall be planned to require the minimal removal of vegetation or risk of damage to the surrounding structures.

6.3.8 Priming and Painting

Care must be taken by the contractor to avoid the spillage of painting and solvent material on site. Adequate containers for cleaning of equipment and for the storage of waste products must be provided and all waste products resulting from the painting operation must be entirely removed from the site by the contractor.

6.3.9 Electrical Connections

All waste products resulting from electrical connections must be removed from the site by the contractor.

6.3.10 Visual Impacts

The contractor shall comply with the visual requirements of the Record of Decision. The contractor shall ensure that the visual impact of the construction activities is minimised.



6.3.11 Rehabilitation

When the civil and construction work is complete, the site shall be cleaned and rehabilitated by the contractor.

All waste materials, infrastructure, equipment, plant and other items used during the construction shall be removed from the site. No burial of any foreign material on the site shall be allowed.

Areas devoid of vegetation or where spoils have been compacted shall be covered with topsoil and if necessary, be seeded, in order to allow for the vegetation to re-establish.

6.4 Post-Construction and Operational Phases

This phase will determine the ultimate success of the implementation of the management proposals of the EMP. A post construction environmental audit is to be conducted by the ECO in order to ensure that all conditions of the EMP have been adhered to.

6.4.1 Servicing and Maintenance

Herbicides and Insecticides should be applied according to the specifications of this EMP and within the prescribed dosage.

Where repainting has been undertaken, all waste materials shall be removed from the site.

Existing access roads to the site shall be used. Where such roads have been damaged by erosion, repairs shall be undertaken to avoid further damage of the road and the surrounding environment.

6.4.2 Decommissioning of the Site

Should a cellular base station be decommissioned this process shall comply with the stipulations of the Occupational Health and Safety Act (Act 85 of 1993). The decommissioned structures shall be removed from the site.

When a new structure is to be erected on the same site, the contractor shall comply with all the conditions as set out in the EMP.

When the site is no longer required, the area of the base station shall be rehabilitated to conform to the immediate surrounding environment.

7. AMENDMENTS TO THE EMP

Any issues that may arise during the construction or operational phase which are not covered in this EMP shall be addressed as addendums to the EMP and submitted for approval prior to implementation.



Appendix I: Other Information

1870

1870

26 April 2012

South African Heritage Resources Agency (SAHRA)

PO Box 4637
Cape Town
8000

SA HERITAGE RESOURCES AGENCY
RECEIVED
04 MAY 2012

Attention: Mr. Phillip Hine

**APPLICATION FOR ENVIRONMENTAL AUTHORISATION,
WASTE MANAGEMENT LICENSE AND WATER USE LICENSE:
AFGRI POULTRY DELMAS ABATTOIR WASTEWATER
TREATMENT WORKS**

EIA Ref: 12/9/11/L875/6 SMS Ref: AFG/del/11-08-11

Shangoni Management Services (Pty) Ltd. has submitted an application for environmental authorisation and a Waste Management License with the National Department of Environmental Affairs on behalf of AFGRI Poultry (Pty) Ltd. A Water Use License Application will also be lodged with the Department of Water Affairs. These applications have been submitted for the proposed AFGRI Poultry Delmas abattoir wastewater treatment works on portion 21 of the farm Geluk 234 IR, Mpumalanga.

The proposed abattoir wastewater treatment works will require environmental authorisation subject to a Scoping and Environmental Impact Assessment Process as required by Sections 26 to 35 of Government Notice R. 543 of the EIA Regulations of 18 June 2010.

Shangoni Management Services (Pty) Ltd. was appointed as the Independent Environmental Assessment Practitioner (EAP) responsible for the Scoping and Environmental Impact Assessment Procedure.

Attached please find a background information document, locality map of the site, and a stakeholder registration form in respect of the application. Your written comments on this construction project will be appreciated. In order to process your inputs, all written comments must reach our offices by **11 June 2012**. In the event of you not wishing to comment on this application it will be appreciated if we could receive a written confirmation thereof to enable us to continue with the application.



THE
MUSEUM OF
THE
CITY OF
NEW YORK

Please do not hesitate to contact the undersigned should you require any additional information.

Contact Details: Shangoni Management Services

Miss Lizette Crous

E-mail: lizette@shangoni.co.za

Cell: 071 673 3355

Fax 2 E-mail: 086 643 5360

Fax: 012 807 1014

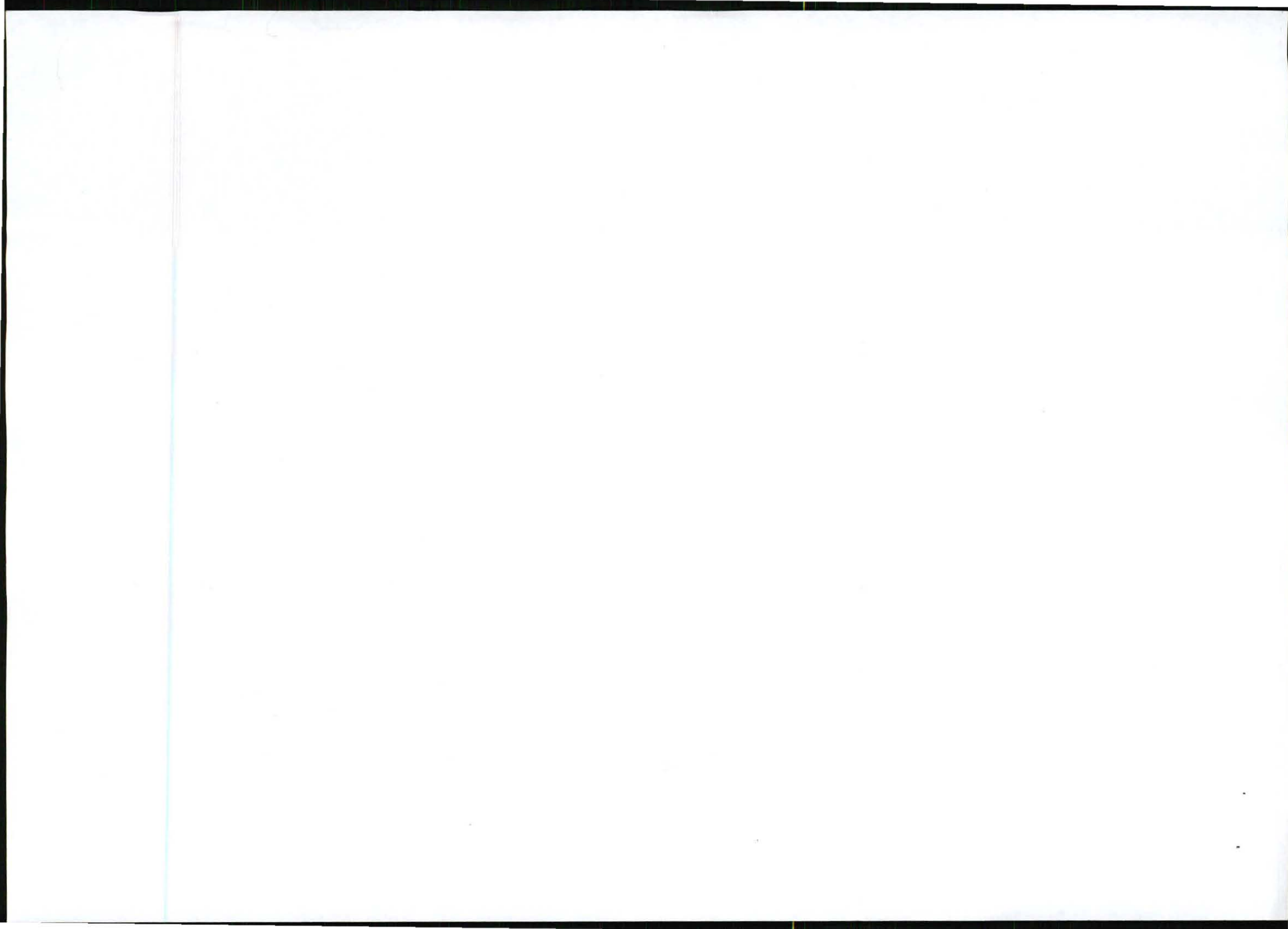
Online Participation: Go to www.shangoni.co.za and click on Public Participation.

Yours Faithfully,



Miss Lizette Crous

Environmental Assessment Practitioner



APPLICATION FOR ENVIRONMENTAL AUTHORISATION, WASTE MANAGEMENT LICENSE AND WATER USE LICENSE FOR THE PROPOSED AFGRI POULTRY DELMAS ABATTOIR WASTEWATER TREATMENT WORKS

VICTOR KHANYE LOCAL MUNICIPALITY, MPUMALANGA

APRIL 2012

EIA Ref: 12/9/11/L875/6

1. INTRODUCTION

The applicant, AFGRI Poultry (Pty) Ltd., has initiated an Environmental Authorisation process in order to obtain a Waste Management- and Water Use- License at its Delmas abattoir.

2. LEGAL REQUIREMENTS

In accordance with the regulations published in Government Notice R. 543 and R. 545 of 18 June 2010, in terms of section 24D of the National Environmental Management Act, 1998 (Act No. 107 of 1998), the applicant is required to carry out a Scoping and Environmental Impact Assessment for the following activities:

Waste Management Activities; Notice No. 32368 of 3 July 2009:

- Category B, No. 7: The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.
- Category B, No. 11: The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

Water Uses Applied for:

The following activities that constitute a water use under Section 21 of the National Water Act, 1998 (Act No. 36 of 1998), will be undertaken by AFGRI Poultry and will form part of the Water Use License Application.

- Section 21 (a): taking water from a water resource: Abstraction of water for use at the abattoir.
- Section 21 (b): storage of water: Storage of water in a reservoir.
- Section 21 (c): impeding or diverting the flow of water in a watercourse: The existing abattoir, four man-made dams, together with the proposed second abattoir and wastewater treatment works are located within a 500 m radius from a wetland.

- Section 21 (f): discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit: Discharge of treated wastewater into a natural watercourse.
- Section 21 (g): disposing of waste in a manner which may detrimentally impact on a water resource: Discharge of abattoir wastewater into the proposed wastewater treatment works. Treated wastewater will be discharged into four man-made dams.

The following wastewater treatment facilities occur within the wastewater treatment plant:

- Anaerobic pond
- Anaerobic settling pond
- Oxidation pond
- Anoxic pond
- Clarifier pond
- Stabilisation pond
- Constructed Wetlands

- Section 21 (i): altering the bed, banks, course or characteristics of a watercourse: The existing abattoir, four man-made dams, together with the proposed second abattoir and wastewater treatment works are located within a 500 m radius from a wetland.

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER

Shangoni Management Services (Pty) Ltd. was appointed by the applicant as the independent Environmental Assessment Practitioner (EAP) to undertake the Scoping and Environmental Impact Assessment process.

4. SITE DESCRIPTION

4.1 Property Description: Portion 21 of the farm Geluk 234 IR.

4.2 Location:

The project site is located approximately 4.4km to the North-west of Delmas, as the crow flies. When travelling on the R50 from Delmas to Pretoria, the site is on the left-hand side, approximately 4.6km from Delmas.



Figure 1: Site for the proposed abattoir wastewater treatment works.



Figure 2: Location of the site to the North-west of Delmas.

5. DESCRIPTION OF PROPOSED ACTIVITY:

The abattoir was built by Rossgro Chickens (Pty) Ltd. a number of years ago and became the property of AFGRI Operations Limited when they bought the Rossgro Chickens business in February 2011. At present, 360 000 chickens are slaughtered at the abattoir per week. The abattoir operates 24 hours a day, 7 days a week.

The wastewater is currently treated as follows:

- The wastewater is screened by a rotary screen to remove the solids.
- The solids are sent to a rendering facility.
- The water is pumped to a storage vessel where manual fat skimming occurs.
- The water is pumped to an aeration pond and is then discharged into a natural drainage line.

The current wastewater treatment process at the abattoir was re-evaluated and found to be inadequate for the current operation and any future expansions to the abattoir. Dekker Envirotech CC has been appointed as the process designer for the wastewater treatment works. The wastewater treatment works will be able to treat 2 500m³/day of abattoir wastewater towards DWA General Limit quality. SKCM engineers have been appointed to oversee the civil engineering design and project construction monitoring.

Approximately 2 500m³/day of abattoir wastewater will be collected into a sump before it is taken through the wastewater treatment process.

The first point of treatment is the screening process, where the majority of large solids will be removed and taken to a rendering facility. The remaining wastewater will then flow into an existing sump, from where it will be pumped into an anaerobic pond. The anaerobic pond, with a capacity of 15 000m³, will in the future be fitted with a floating HDPE cover for biogas collection. The anaerobic pond functions to remove most of the Chemical Oxygen Demand (COD).

The water from the anaerobic pond will then flow into a smaller anaerobic settling pond with a capacity of 2 000m³. Biomass from this pond will be returned to the main anaerobic pond where it can undergo further anaerobic breakdown. The water from the anaerobic settling pond will flow into an oxidation pond.

The oxidation pond, with a capacity of 5 800 m³, will be fitted with surface aerators and will achieve nitrification. The oxidation pond will discharge into a 1 900m³ anoxic pond where denitrification will occur.

From the anoxic pond, the water will flow into a 2 000 m³ clarifier pond. Biomass from this clarifier pond will be taken back to the anaerobic pond for further digestion. The water from the clarifier pond will then flow into a stabilisation pond, and from there into the constructed wetlands.

The constructed wetlands will be able to accommodate a combined volume of 10 000m³ of water and will remove nutrients and suspended solids. The quality of water exiting the constructed wetlands will be at General Limit standards. From the wetlands, the water will flow into a collection sump. Approximately 50% of the treated water will be reused at the abattoir after it has undergone sand filtration and disinfection. The remainder of the treated water will either be discharged or used by adjacent land owners for crop irrigation.

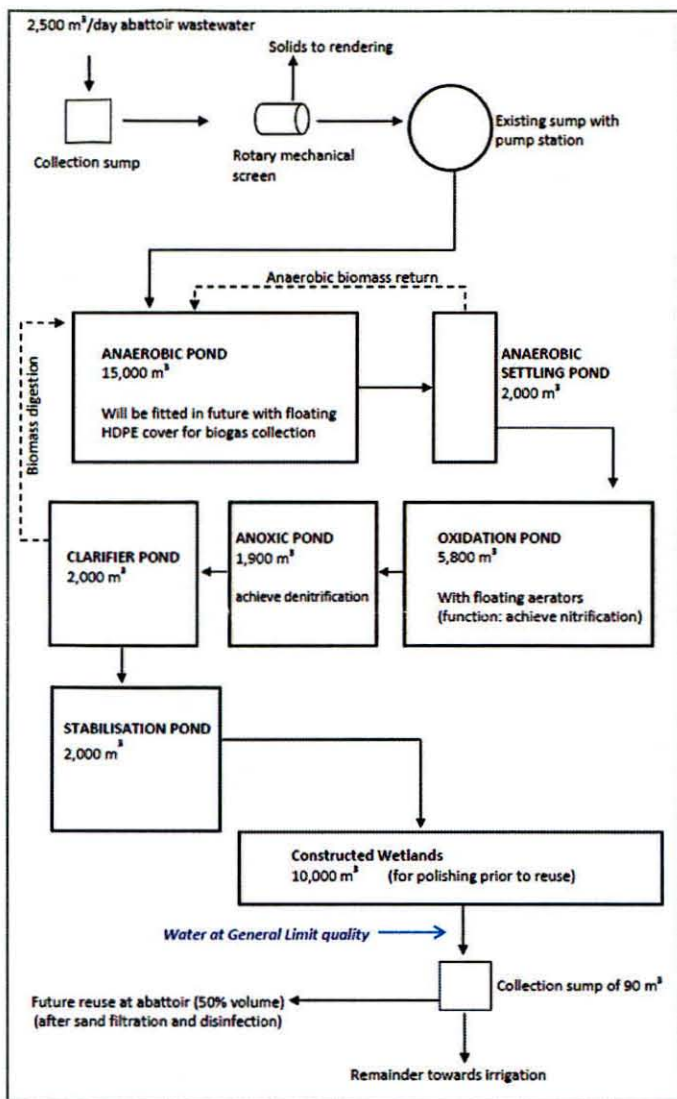


Figure 3: Proposed wastewater treatment works

6. PUBLIC PARTICIPATION PROCESS

Public participation is an integral part of the Scoping and Environmental Impact Assessment process, and will include the following components:

First part of the Public Participation:

The primary purpose of this phase is to give potential interested and affected parties (I&APs) an opportunity to register as an interested or affected party and to submit comments and concerns. These comments and concerns are included in the Scoping Report and Environmental Impact Assessment Report.

Comment on the Scoping Report and Environmental Impact Report:

The draft Scoping Report will be made available to registered I&APs to provide them with an opportunity to comment, in writing, on this document before it is submitted to the competent authority. All comments received will be included in a comments and responses report compiled by the Environmental Assessment Practitioner. This report will describe the issue raised, the date it

was raised and by whom, and how the issue will be, or has been dealt with.

Comments on the draft Scoping Report are included in the final Scoping report prior to submission to the National Department of Environmental Affairs and the Department of Water Affairs.

Following the submission of the Scoping Report, a draft Environmental Impact Report (EIR) and Environmental Management Plan (EMP) will be made available to I&APs. Comments on the draft EIR and EMP will also be incorporated into the final EIR and EMP prior to their submission to the above-mentioned Departments.

Online Participation: For online registrations, submission of comments and review of project related documentation

1. Go to www.shangoni.co.za
2. Click on public participation
3. Select project of interest
4. Register as a stakeholder under "Registration"
5. Submit comment/concern electronically
6. All available project related documentation is available for perusal throughout the process
7. As the project progresses, notices will be placed under the notices/updates tab
8. If you are registered you will receive an e-mail to inform you of any new developments with regards to the project and also when the reports are available for public review.

Contact Details of EAP

Your participation is important for the process. If you would like to be added to our database of stakeholders who wish to participate in this process, or should you have any queries regarding the process or comments about the proposed development, please contact Miss Lizette Crous (details below) before or on 11 June 2012.

Shangoni Management Services (Pty) Ltd.

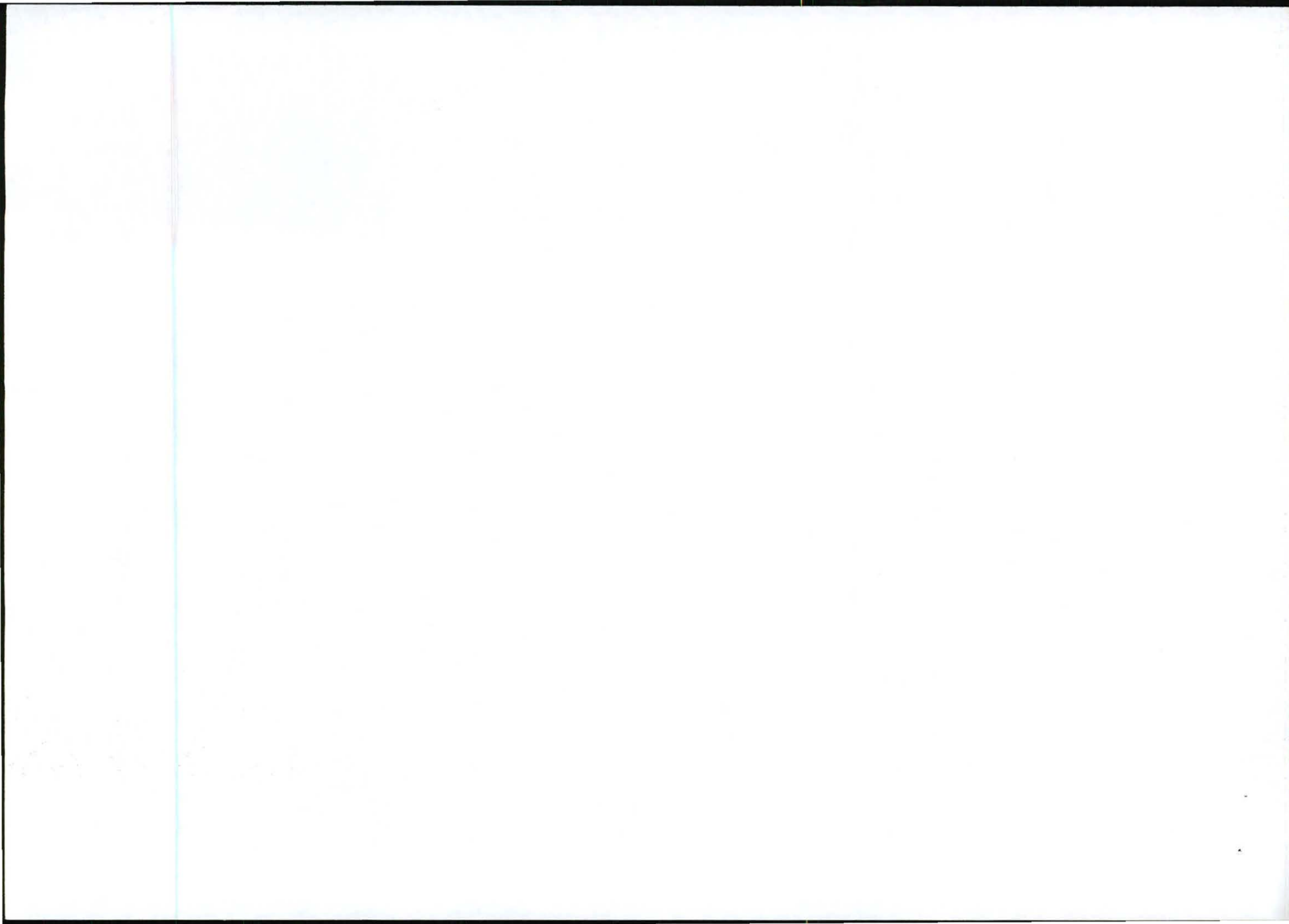
Postal address:

PO Box 74726
Lynnwood Ridge
Pretoria
0040

Contact details:

Tel:+27 12 807 7036
Cell:+27 71 673 3355
Fax:+27 12 807 1014
Fax to Email: 086 643 5360
Email: lizette@shangoni.co.za

For online participation go to www.shangoni.co.za and click on Public Participation.



STAKEHOLDER REGISTRATION FORM

AFGRI POULTRY DELMAS ABATTOIR WASTEWATER TREATMENT WORKS

PLEASE E-MAIL / FAX THIS FORM TO Miss Lizette Crous: lizette@shangoni.co.za/086 643 5360/012 807 1014
EIA Ref: 12/9/11/L875/6; SMS Ref Nr. AFG/del/11-08-11

NAME	
SURNAME	
INITIALS	
TITLE	
CONTACT DETAILS	
HOME / PRIVATE	
TEL (H)	
CELL	
EMAIL	
FAX (H)	
FAX 2 E-MAIL	
POSTAL ADDRESS	
PHYSICAL ADDRESS	
WORK	
TEL (W)	
CELL (W)	
EMAIL	
FAX (W)	
FAX 2 E-MAIL	
POSTAL ADDRESS	
PHYSICAL ADDRESS	






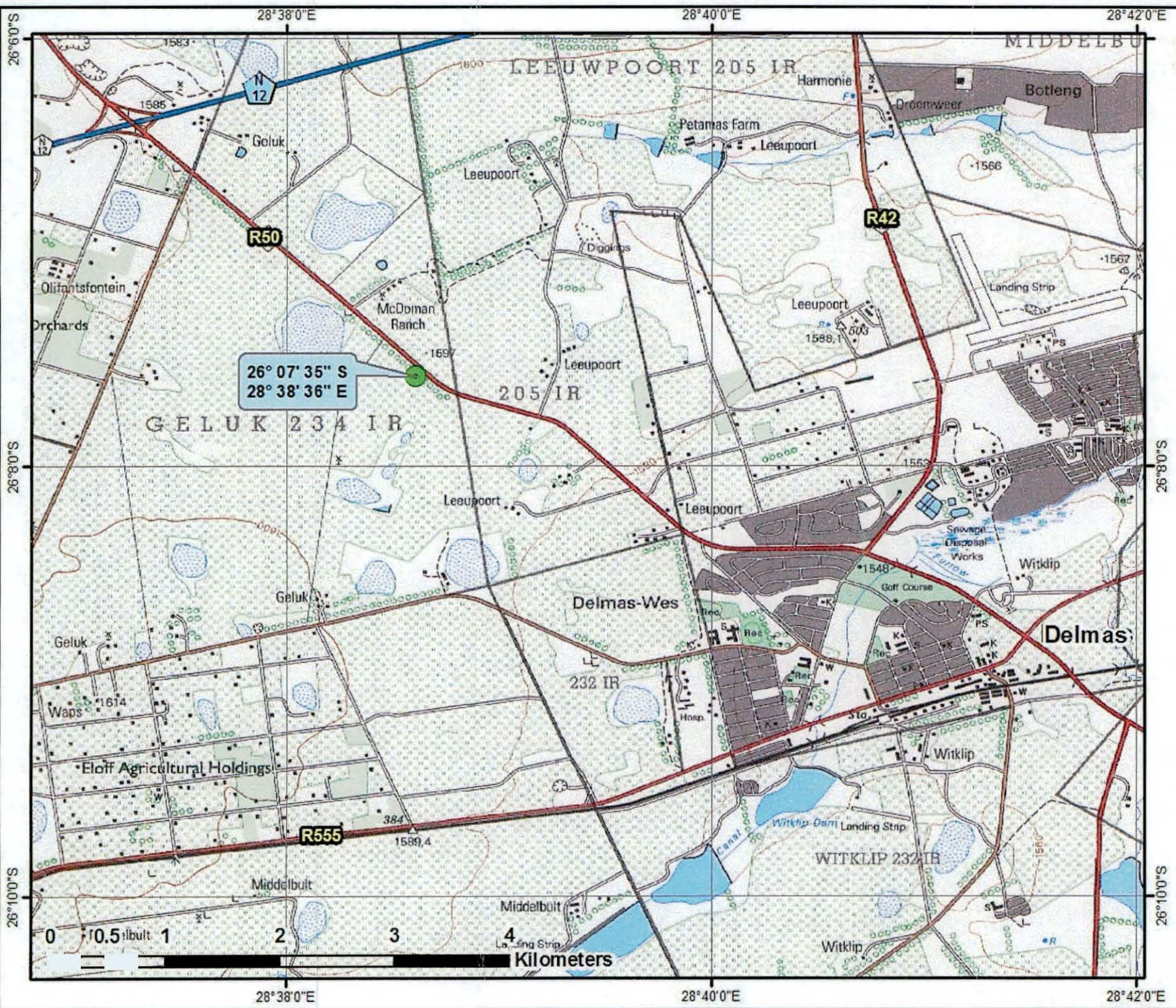


Locality Map



Legend

-  Abattoir



GCS_WGS_1984
Datum: D_WGS_1984



