

29/10/2011

CASEID: 1654

D: EA Ref. No.: 12/9/11/L612/8

12 October 2011

Dr. M. Galimberti
APM Impact Assessor
South African Heritage Resources Agency
P. O. Box 4637
CAPE TOWN
8000

Dear Dr. Galimberti,

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Your letter 9/2/066/0003 dated 8 July 2011 refers.

Attached please find a copy of the Draft Scoping Report and Plan of Study for EIA for your information.

The closing date for comments is **Monday 21 November 2011**.

Yours sincerely,



Gert Pretorius
(Pr.Sci.Nat.)



ENVIRONMENTAL IMPACT ASSESSMENT

DRAFT SCOPING REPORT

**PROPOSED SEWER OXIDATION PONDS AND
ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**



**Department of Environmental Affairs,
Reference No: 12/9/11/L612/8
October 2011**

**PROPOSED SEWER OXIDATION PONDS AND
ASSOCIATED INFRASTRUCTURE
PORT NOLLOTH**

(Remainder Erf 516, Port Nolloth)

DRAFT SCOPING REPORT

PREPARED FOR:

Richtersveld Municipality
Private Bag X 113
Port Nolloth
8280

Tel: (027) 851 1112

Fax: (027) 851 1101

PREPARED BY:

G. J. Pretorius
ENVIRO LOGIC
P. O. BOX 3731
Tygervalley
7536

Tel / Fax: (021) 919 4048

Cell: 082 458 9844

**Department of Environmental Affairs
Reference No.: 12/9/11/L612/8**

TABLE OF CONTENTS

1. INTRODUCTION	5
1.1 Background	5
1.2 Terms of Reference	5
1.3 Details and expertise of Environmental Assessment Practitioners	6
2. NEED AND MOTIVATION	6
3. PROJECT LOCATION, DESCRIPTION AND ALTERNATIVES	7
3.1 Location of the facility	7
3.2 Description of proposed project	8
3.2.1 Alternative 1 (Preferred Alternative)	8
3.2.2 Alternative 2	9
3.2.3 "No-Go" alternative	9
4. DESCRIPTION OF THE RECEIVING ENVIRONMENT	9
4.1 Locality	9
4.2 Climate	9
4.3 Topography	9
4.4 Fauna and Flora	9
4.5 Surface Water	10
4.6 Geology	10
4.7 Socio-Economic	10
4.8 Cultural	11
5. LEGISLATION , GUIDELINES AND POLICIES	11
5.1 Relevant Legislation	
5.1.1 Constitution of South Africa (Act No 108 of 1996)	11
5.1.2 National Environmental Management Act (Act No 107 of 1998) (NEMA)	12
5.1.3 NEMA Environmental Impact Assessment (EIA) Regulations	12
5.1.4 National Environmental Management: Waste Act (Act No 59 of 2008)	12
5.1.5 National Water Act (Act No 36 of 1998)	13
5.1.6 Water Services Act (Act No 108 of 1997)	13
5.1.7 The National Heritage Resources Act (Act 25 of 1999)	14
5.1.8 Municipal Systems Act (Act No 32 of 2000)	14
5.1.9 Hazardous Substances Act (Act No. 15 of 1973)	14
5.1.10 Occupational Health and Safety Act (Act No. 85 of 1993)	15

5.2 Guidelines and Other Documentation	15
5.2.1 D: EAT's Integrated Environmental Management Information Series.	15
5.2.2 Department of Environmental Affairs and Development Planning (Western Cape) Draft Guideline and Information Document Series.	15
5.2.3 D: EA&DP's Guidelines for Specialist Studies.	15
5.2.4 Namakwa District Municipality Integrated Development Plan (IDP) 2006 – 2011 (Fourth revision 2011/2012).	15
5.2.5 Namakwa District Biodiversity Sector Plan 2008.	16
5.2.6 Richtersveld Municipality Integrated Development Plan – Review 2010.	16
5.2.7 Richtersveld Municipality Map of Critical Biodiversity Areas 2009.	16
6. PUBLIC PARTICIPATION PROCESS	16
6.1 Steps taken to notify potentially interested and affected parties	16
6.1.1 Proof of notification	17
6.2 Register of interested and affected parties	18
6.3 Comments and responses	18
6.3.1 Summary of issues raised by interested and affected parties	18
6.4 Next steps in Public Participation Process	18
7. FURTHER INVESTIGATIONS REQUIRED	18
7.1 Archaeology	18
7.2 Geohydrology	18
8. CONCLUSION & RECOMMENDATIONS	19
9. REFERENCES	19

LIST OF APPENDICES

Appendix A: Locality Map

Appendix B: 1:50 000 Topography Map

Appendix C: Google Earth Image

Appendix D: Site Layout Plan

Appendix E: Photographs

Appendix F: Public Participation

Appendix F.1: Notices displayed

Appendix F.2: Registered Letters

Appendix F.3: Advertisements

Appendix F.4: BID Handed Out

Appendix F.5: Background Information Document

Appendix F.6: Cover Letters BID and Acknowledgement

Appendix F.7: Registered I&APs

Appendix F.8: Comment & Response Report (First Round of Public Participation)

Appendix G: SAHRA Letter dated 8 July 2011

Appendix H: NEMA Principles

Appendix I: Proposed Plan of Study for EIA

LIST OF ABBREVIATIONS

DWA	Department of Water Affairs
EIA	Environmental Impact Assessment
EIR	Environmental Impact Report
EMPr	Environmental Management Programme
I&AP	Interested and Affected Party
MAP	Mean Annual Precipitation

1. INTRODUCTION

1.1 Background

Port Nolloth is one of the towns within the Richtersveld Local Municipality that has been earmarked for upgrading and licensing of its waste management infrastructure. As identified in the Richtersveld IDP 2010 as well as the Namakwa District Municipality IDP review for 2011-2012 the upgrading of Port Nolloth's sewerage infrastructure is a key issue. The provision of sanitation that is safe for users as well as the environment is recognised as one of the cornerstones in the effort to produce efficient service delivery with sound infrastructure forming the backbone for proper long term provision of basic sanitation services.

The current and proposed sewage facility is on the Remainder of Erf 516, Port Nolloth. The proposed project entails the construction of new sewage oxidation - and evaporation ponds approximately 500m east of the Sizamile residential area with the total area of the facility being \pm 18 ha. Existing sewer ponds will be lined in order to be used as evaporation / irrigation ponds and the treated water will be used for irrigation at the municipal sports grounds. The existing sewage ponds do not meet legislative requirements and will form part of the new sewage facility.

In terms of the list of activities identified under Categories A & B (Government Notice No. 32368 dated 3 July 2009) promulgated under the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008), an Environmental Impact Assessment ("Scoping and EIA") process must be conducted as stipulated in the environmental impact assessment regulations made under section 24(5) of the National Environmental Management Act, 1998 (Act No. 107 of 1998) as part of a waste management licence application. The competent authority is the National Department of Environmental Affairs (D: EA).

The requirements of the National Environmental Management: Waste Act (Act No. 59 of 2008), the National Water Act (Act No. 36 of 1998) and the National Heritage Resources Act (Act No. 25 of 1999) will be satisfied simultaneously with this current EIA process with the relevant authority being the National Department of Environmental Affairs (D: EA).

An Application for a Waste Management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) was submitted to the National Department of Environmental Affairs, Reference No.: 12/9/11/L612/8.

1.2 Terms of Reference

The overall terms of reference for this study are to:

- Assess the potential impacts (both positive and negative) of the proposed project on the environment and the implications for design, construction and operation of the facility;

- The areas of investigation include the alternatives identified during the Scoping study including the no-go alternative;
- Include a public participation process in the study, which provides opportunity for Interested and Affected Parties (I&AP's) to raise any concerns/issues and to comment on the Draft and Final Scoping Report, Draft and Final Environmental Impact Report (EIR) and Draft and Final Environmental Management Programme (EMP);
- Commission specialist studies to assess key concerns identified during the Scoping study;
- Integrate all the information into an EIR to allow an informed decision to be made by the competent authority (D: EA) regarding the outcome of the proposed project;
- Ensure the study complies with the requirements of the the National Environmental Management: Waste Act (Act No. 59 of 2008), the National Water Act (Act No. 36 of 1998) and the National Heritage Resources Act (Act No. 25 of 1999).

1.3 Details and expertise of Environmental Assessment Practitioners

The qualifications and experience of the Environmental Assessment Practitioners are as follow:

- Mr. G.J. Pretorius

Qualifications: Hon. B.Sc. Forestry/Nature Conservation, MPA.

Registration: Registered with SACNASP Reg. No. 401659/83.

Experience: 30+ years experience in environmental planning and management (including the coordination and conducting of numerous EIA processes).

- Mr. D.J. Pretorius

Qualifications: Hon. B.Sc. Conservation Ecology.

Experience: 2 years experience in environmental planning and management.

2. NEED AND MOTIVATION

Port Nolloth is the biggest town in the Richtersveld Municipal area with the service area including the settlements of McDougalls Bay, Nollothville and Sizamile. The population of around 9000 people creates a substantial waste footprint and it is thus imperative that this waste stream is sufficiently dealt with within the realms of South Africa legislative framework.

Currently there are only two operating unlined sewage ponds with infrastructure that cannot handle the amount of sewage delivered to it from the surrounding urban area. As a result sewage leachate escapes the ponds into the surrounding soil. The degree to which the soil has been drenched by the sewage effluent is unknown but surrounding areas with atypical vegetation creates a picture of the extent of the problem. The sewage currently deposited into the ponds does not undergo the required oxidation and

evaporation process which leads to odour being emitted from the ponds. The facility is open to public access and with its close proximity to residential areas poses a health risk.

The use of treated sewage water for irrigation purposes also holds a health risk with regards to water that does not meet the standards as required by the Department of Water Affairs.

The current sewage facility does not meet legislative requirements as set by the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

One of the issues highlighted by the Namakwa District Municipality, Integrated Development Plan 2006 – 2011 (Fourth revision 2011/2012) is the upgrading and maintenance of existing municipal infrastructure.

According to the Richtersveld Municipality IDP the infrastructure for sanitation is poor and unsafe and therefore the supply of infrastructure and services is the number one priority within the Municipality. One of the IDP projects is the improvement and upgrading of Port Nolloth's sewerage infrastructure. The IDP stated that by 2014 all residents will have access to basic infrastructure (housing, water, sanitation, electricity and waste management) that is of nationally acceptable standards.

The proposed land use / sewer oxidation project is located inside the urban edge and conform to the Richtersveld Local Municipality IDP (Review 2010) and development strategies for the area.

Future developments can be met with sufficient available capacity of waste water treatment facilities. The influx of tourists and holiday makers to Port Nolloth can be met with sufficient capacity of waste water treatment facilities.

The existing sewage ponds are located ± 160m east of the Sizamile residential area. The new sewage oxidation ponds will be located ± 500m east of Sizamile and will therefore be to the benefit of the Sizamile community.

3. PROJECT LOCATION, DESCRIPTION AND ALTERNATIVES

3.1 Location of the facility

The town of Port Nolloth is situated in the Northern Cape Province and falls within the Namakwa District Municipality and more specifically the Richtersveld Local Municipality. The current sewage ponds are located ± 160m east of Sizamile with the new sewage oxidation ponds ± 500m east of Sizamile.

Coordinates:

	Latitude				Longitude		
New sewage oxidation ponds	29°	15'	23"	S	16°	53'	40" E

Existing sewage ponds

29° 15' 31" S 16° 53' 15" E

Both the current and proposed sewage facility is located on the Remainder of Erf 516, Port Nolloth. (See **Locality Map: Appendix A, 1:50 000 Topography Map: Appendix B, Google Earth Image: Appendix C and Photographs: Appendix E**)

3.2 Description of proposed project

3.2.1 Alternative 1 (Preferred Alternative):

Alternative one being the preferred alternative encompasses oxidation ponds and a sewer pipeline.

The Oxidation ponds will include:

- construction of new sewer oxidation ponds and evaporation ponds.
- installation of HDPE lining to prevent leakage from the ponds.
- construction of new in- and outlet structures to convey water from one pond to another.
- lining of the existing sewer ponds to be used as evaporation / irrigation ponds.
- installation of fencing around the new and the existing ponds.

Sewer Pipe line and connecting services:

- An underground sewer pipeline (\pm 1.7 km) and a pump station will be constructed to connect the existing sewer pipeline and sewer ponds with the planned new sewer oxidation ponds.

Existing access roads will be used.

The activities on site will be as follows.

- Approximately 900 m³/day sewage waste is pumped from different locations in Port Nolloth to the existing oxidation ponds.
- A pump station with a sump will be constructed at the inlet of the existing sewer ponds and the sewage will be pumped to the proposed new oxidation ponds.
- The inlet structures of the new ponds is located at ponds 1 & 2 (Anaerobic ponds).
- From here the sewage flows through pond 3 (primary pond), then through ponds 4 & 5 (secondary ponds).
- The evaporation ponds will consists of ponds 6, 7, 8, 9 and the existing sewer ponds.
- A gravitational line will convey the treated sewage water from pond 9 to the existing sewer ponds (to be used as evaporation/ irrigation ponds).
- The existing sewer ponds will be used as evaporation and irrigation ponds from where the treated water will be pumped to the nearby sports grounds via an existing pipeline. The treated water will be according to the general accepted standards/specifications of the department of water Affairs (D: WA).

- The liquid effluent from the existing sewer ponds will be pumped into the new sewer oxidation ponds and HDPE lining will be installed in the existing sewer ponds to prevent leakage from the ponds.

(See **Site Layout Plan: Appendix D**).

3.2.2 Alternative 2:

Alternative two entails the upgrading of the existing sewage facility and related infrastructure.

The ponds capacity will have to be increased to meet future demands, as well as the installation of HDPE lining in the existing sewer ponds that will be used as oxidation, evaporation and irrigation ponds. Ponds will have to be fenced.

3.2.3 "No-Go" alternative

The "No-Go" alternative although always considered, will not be recommended as the existing sewer ponds do not meet legislative requirements.

4. DESCRIPTION OF THE RECEIVING ENVIRONMENT

4.1 Locality

Alternative 1 (Preferred Alternative), is the new proposed sewage oxidation ponds \pm 500m east of Sizamile. There are extensive diggings in the area related to unrehabilitated mining and prospecting activities. Alternative 1 includes the current sewage ponds which are to be used as evaporation and irrigation ponds (See **Site Layout Plan: Appendix D** and **Photographs: Appendix E**).

Alternative 2 is the upgrading of the existing sewage ponds which are located \pm 160m east of Sizamile (See **Site Layout plan: Appendix D** and **Photographs: Appendix E**).

4.2 Climate

Port Nolloth is located in the arid Northern Cape Province and receives a Mean Annual Precipitation (MAP) of 50-80mm with mainly winter rainfall. The prevailing wind direction during November to April is SW / NE, and through May to October SW / NW. Coastal fog appears frequently and southerly winds that reach severe speeds occur together with sand blasting. The climate can be described as Mediterranean with temperatures remaining moderate for most of the year. No incidences of frost.

4.3 Topography

The identified sites are made up of fairly stabilized wind-blown sand dunes. The proposed sites range between 18-30m above MSL.

4.4 Fauna and Flora

The area has been severely degraded and transformed as a result of old prospecting diggings, trenches and pits. There is an absence of large terrestrial fauna in the area. Water fowl have been spotted at the

current sewage ponds and other water birds have been noticed at areas where leachate protrudes the soil surface. Sea birds frequent the waste facilities due to its close proximity to the coast.

The affected environment comprises a series of stabilized sand dunes with patchy vegetation occurring in places. The vegetation type is classified as Richtersveld Coastal Duneveld by Mucina and Michael (2006) and is classified as least threatened although around 10% of the vegetation has been transformed by diamond mining activities in the area. (Mucina & Michael, 2006). The vegetation is very similar to the vegetation occurring in the surrounding area of Port Nolloth and typical of the coastal fog belt occurring in the arid areas from Alexander Bay to Kleinsee. No rare or endangered plant species were found on the proposed sewer oxidation ponds site or proposed pipeline routes.

Alien vegetation is to be found close to the existing sewage ponds where leachate has drained to. It is expected that this atypical vegetation will disappear as the leachate source is removed.

4.5 Surface water

Due to the sandy nature of the substrate and low MAP (50-80mm) surface water is an insignificant issue. There are no watercourses on the proposed development site or nearby with the only surface water protruding being that which escapes from the current sewage facility as leachate.

4.6 Geology

Wind-blown white sands of coastal origin overly rocks belonging to the Holgat and Grootderm Formations of the Gariep Super Group.

4.7 Socio-Economic

In the late 80's an informal settlement was beginning to emerge just outside the town. This informal settlement was formalized in the 90's and the Sizamile Township was developed and serviced. This development nearly doubled the amount of residence in town. Although the infrastructure for services was installed, no upgrading of the bulk infrastructure took place.

Further developments like the Kai Kai-beach property project, took place and that was followed up by the Lydia Links, Sizamile and Nollothville low cost housing projects. In both the Port Nolloth and McDougall's Bay area's an expansion of the property market took place and the demand for water supply and sewage facilities followed.

The Richtersveld Municipality, as many others municipalities in the Northern Cape, are continually trying to decrease their backlogs in terms of housing, water supply, sanitation and electricity.

It should also be mentioned that due to the down turn of mining activities since 2001, more people have moved to Port Nolloth which would have increased the average population growth rate.

Major developments in housing projects have also been taken place in the past 5 years and more developments are planned for the near future.

In 2008 the Municipality conducted its own door-to-door survey establishing the population to be in the vicinity of 8 900. The information was captured by a Feasibility study for Port Nolloth Bulk Water Supply by BVi Consulting Engineers in 2009.

4.8 Cultural

The Port Nolloth area has historically been exploited by land and onshore based diamond mining activities that have left many evident transformations of the natural environment.

No features of cultural or historical significance are known from the different site alternatives.

5. LEGISLATION , GUIDELINES AND POLICIES

5.1 Relevant legislation

The legislation that is relevant to this study is briefly outlined below. These environmental requirements are not intended to be definitive or exhaustive but serve to highlight key environmental legislation and responsibilities only.

5.1.1 Constitution of South Africa (Act No 108 of 1996)

The 'environmental guarantee' clause in the Bill of Rights section of the Constitution of South Africa, Section 24, states that *every person shall have the right to the following:*

(a) An environment that is not harmful to their health nor well being; and

(b) To have that environment protected for the benefit of present and future generations, through reasonable legislative and other measures, which:

- *prevents pollution and ecological degradation;*
- *promotes conservation; and*
- *secures justifiable economic and social development and use of natural resources while promoting justifiable economic and social development.*

Section 152 of the Constitution states that the objectives of local government are to:

- ensure that services are provided to communities in a sustainable manner;
- promote social and economic development;
- promote a safe and healthy environment.

The proposed project at Port Nolloth is thus in line with the Constitution in providing basic services to the community, promoting development and preventing further pollution and degradation.

5.1.2 National Environmental Management Act (Act No 107 of 1998) (NEMA)

Section 2 of NEMA (Act No. 107 of 1998) sets out a number of principles for environmental management. These principles, as stated in Section 2(4), need to be taken into account for all development activities undertaken throughout the country, to facilitate development that is environmentally sustainable. (See **NEMA Principles: Appendix H**)

Section 28 of NEMA relates to the general environmental duty of care and the remediation of environmental damage, with section 28(1) stating as follows:

“Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorized by law or cannot reasonably be avoided or stopped, to minimize and rectify such pollution or degradation of the environment”. A failure to perform this duty of care may lead to criminal prosecution.

5.1.3 NEMA Environmental Impact Assessment (EIA) Regulations

On 18 June 2010 the Minister responsible for Environmental Affairs promulgated amended Environmental Impact Assessment (“EIA”) Regulations in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (“NEMA”). **None of the listed activities are triggered by the proposed project.**

5.1.4 National Environmental Management: Waste Act (Act No 59 of 2008)

The National Environmental Management: Waste Act (NEM: WA) deals with regulating waste management in South Africa. In terms of Section 20 (b) of this Act certain waste activities require a waste license application.

Waste management activities that have, or are likely to have a detrimental effect on the environment have been published in Government Notice No. 32368 dated 3 July 2009. The activities relevant to this project and applied for are listed below.

NO. & DATE OF THE RELEVANT NOTICE:	ACTIVITY NUMBERS	DESCRIPTION OF LISTED ACTIVITY:
Government Notice No. 32368 dated 3 July 2009	Category A (12)	The remediation of contaminated land.
Government Notice No. 32368 dated 3 July 2009	Category A (19)	The expansion of facilities of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or licence in terms of legislation governing the release of pollution, effluent or waste.

Government Notice No. 32368 dated 3 July 2009	Category B (1)	The storage including the temporary storage of hazardous waste in lagoons.
Government Notice No. 32368 dated 3 July 2009	Category B (2)	The reuse and recycling of hazardous waste.
Government Notice No. 32368 dated 3 July 2009	Category B (5)	The treatment of hazardous waste using any form of treatment regardless of the size or capacity of such a facility to treat such waste.
Government Notice No. 32368 dated 3 July 2009	Category B (6)	The treatment of hazardous waste in lagoons.
Government Notice No. 32368 dated 3 July 2009	Category B (7)	The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.
Government Notice No. 32368 dated 3 July 2009	Category B (11)	The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

5.1.5 National Water Act (Act No 36 of 1998)

Water use is controlled by the National Water Act (Act no 36 of 1998) and the enforcing authority is the Department of Water Affairs (DWA). The National Water Act recognises that water is a scarce resource in South Africa and its provisions are aimed at achieving sustainable use of water to the benefit of all users. The purpose of this Act is to ensure that the nation's water resources are protected, used, developed, conserved, managed and controlled in an environmentally sustainable manner.

The provisions of the Act are thus aimed at discouraging pollution and waste of water resources. According to Section 21 of the National Water Act the following activity is considered a use, and therefore requires authorisation:

- Section 22(1), Permissible water use
 - A person may only use water -
 - (b) if the water use is authorised by a license under this Act; or
- Section 22 empowers the Minister to direct that a person who has control over land take steps to prevent water pollution.

5.1.6 Water Services Act (Act No 108 of 1997)

This Act provides for the rights of people to access basic sanitation and an environment not harmful to health or well-being. It acknowledges that there is a duty on all spheres of government to ensure that sanitation services are provided in a manner which is efficient, equitable and sustainable and that it should be sufficient for subsistence and sustainable economic activity whilst adhering to the principles of co-operative governance.

The provision of sanitation services must be undertaken in a manner consistent with the broader goals of water resource management and the interests of consumers and the broader goals of public policy must be promoted.

This project is in line with the Act as it aims to provide sufficient sanitation services to the area in a sustainable manner.

5.1.7 The National Heritage Resources Act (Act 25 of 1999)

The National Heritage Resources Act, (Act 25 of 1999) [NHRA] provides for the management of national heritage resources, to set norms and maintain national standards for the management of heritage resources in South Africa, and to protect heritage resources of national significance, so that heritage resources may be bequeathed to future generations. The South African National Heritage Resources Agency (SAHRA) is the responsible authority for implementing the National Heritage Resources Act (NHRA) (No. 25 of 1999).

In terms of the NHRA (No. 25 of 1999), the following provisions are of relevance:

Section 38 states as follows:

38. (1) Subject to the provisions of subsections (7), (8) and (9), any person who intends to undertake a development categorised as-

(a) the construction of a road, wall, power line, pipeline, canal or other similar form of linear development or barrier exceeding 300 m in length;

(c) any development or other activity which will change the character of a site-

(i) exceeding 5 000 m² in extent; or

(d) the re-zoning of a site exceeding 10 000 m² in extent; or

An Archaeological Impact Assessment will be conducted during the EIA phase of the project.

5.1.8 Municipal Systems Act (Act No 32 of 2000)

The aim of the Municipal Systems Act is to provide core principles, mechanisms and guidelines for municipalities to enable them to move towards the social and economic upliftment of communities and to provide access to services that is affordable to all and specifically the poor and the disadvantaged.

5.1.9 Hazardous Substances Act (Act No. 15 of 1973)

The Act aims to manage hazardous substances. It is the principal national legislation that controls the transportation, and manufacturing, storage, handling, treatment or processing facilities for any substance that is dangerous or hazardous (Groups I-IV). Specific regulations governing the conveyance of hazardous substances, including Group I substances, by road may also be relevant.

- Manage the hazardous waste in such a manner that it does not endanger human health or the environment.

- Prevent the waste from being used for an unauthorised purpose.
- Hazardous waste management activities should be licenced.

5.1.10 Occupational Health and Safety Act (Act No. 85 of 1993)

The objective of this Act is to provide for the health and safety of persons at work. In addition, the Act requires that “*as far as reasonably practicable, employers must ensure that their activities do not expose non-employees to health hazards*” (Glazewski, 2005: 575). The importance of the Act lies in its numerous regulations, many of which will be relevant to the proposed construction of new sewer oxidation ponds, the upgrading of the existing sewer ponds and operation of the WWTW. These cover, among other issues, noise, lighting, emergency preparedness, management of dust and handling, storage and transportation of hazardous materials.

5.2 Guidelines and other documentation

5.2.1 D: EAT’s Integrated Environmental Management Information Series

The following documents in D: EAT’s Information Series on Integrated Environmental Management (IEM) were considered:

- Information Series 1: Screening (DEAT 2002)
- Information Series 2: Scoping (DEAT 2002)
- Information Series 3: Stakeholder Engagement (DEAT 2002)
- Information Series 4: Specialist Studies (DEAT 2002)
- Information Series 12: Environmental Management Plans (DEAT 2005)

5.2.2 Department of Environmental Affairs and Development Planning (Western Cape) Draft Guideline and Information Document Series:

The following documents in the D: EA&DP’s Environmental Impact Assessment Guideline and Information Series on the NEMA EIA Regulations 2010 were considered:

- Guideline on Alternatives (August 2010)
- Guideline on Public Participation (August 2010)
- Guideline on Need and Desirability (August 2010)

5.2.3 D: EA&DP’s Guidelines for Specialist Studies

The following documents in D: EA&DP’s guideline series for the involvement of specialists in EIA processes were considered:

- Guideline for Determining the Scope of Specialist Involvement in EIA Processes (2005)
- Guideline for Environmental Management Plans (2005)

5.2.4 Namakwa District Municipality Integrated Development Plan (IDP) 2006 – 2011 (Fourth revision 2011/2012)

The Namakwa District Municipality Integrated Development Plan was considered regarding environmental plans and policies.

5.2.5 Namakwa District Biodiversity Sector Plan 2008

The Namakwa District Biodiversity Sector Plan 2008 was considered regarding the District Biodiversity Sector Plan 2008.

5.2.6 Richtersveld Municipality Integrated Development Plan – Review 2010

The Richtersveld Municipality Integrated Development Plan (Review 2009) was considered regarding future developments of infrastructure.

5.2.7 Richtersveld Municipality Map of Critical Biodiversity Areas 2009

The Richtersveld Municipality Map of Critical Biodiversity Areas (2009) was considered regarding Critical Biodiversity Areas.

6. PUBLIC PARTICIPATION PROCESS

The purpose of the Public Participation Process is to provide interested and affected parties (I&APs) with adequate opportunity to have input into the environmental process. As such, Public Participation forms an integral part of this EIA process and it should be noted that the Public Participation Process that is being followed exceeds the minimum requirements set out in terms of the National Environmental Management Act (Act 107 of 1998). The relevant records of the public participation process are contained in **Appendices F.1 – F.8**

6.1 Steps taken to notify potentially interested and affected parties

1) Potential interested and affected parties were notified of the application by:

(a) Site notices (English & Afrikaans)

On 3 June 2011 notices were displayed at various strategic areas including:

- Notice displayed at the Municipal Office, Port Nolloth.
- Notice displayed at Spar, Port Nolloth.
- Notice displayed at Public Library, Port Nolloth
- Notice displayed at Seeff, McDougalls Bay.
- Notice displayed at Port Tavern, Nollothville.
- Notice displayed at Luvuoyo Drop Inn Centre, Port Nolloth.
- Notice displayed at the existing sewage ponds, Port Nolloth.
- Notice displayed at the proposed site for the proposed sewage oxidation ponds, Port Nolloth.
- Notice displayed at Davinci's Store, Sizamile. (See **Notices Displayed: Appendix F.1**)

(b) Written notice (Background Information Document) was provided to:

- (i) The owners and occupiers of land within 100 metres of the boundary of the site who may be directly affected by the activity.
- (ii) Municipal Manager, Namakwa District Municipality

- (iii) Municipal Manager Richtersveld Municipality
- (iv) Cllr. G. Beukes, Port Nolloth
- (v) Mr. F. C. Rust Chairman, Richtersveld Ratepayers Association
- (vi) Mr. B. Cornelissen, Department Environment & Nature Conservation, Springbok
- (vii) Mr. E. Kubayi, Department of Water Affairs, Upington
- (viii) Dr. M. Galimberti, APM Impact Assessor South African Heritage Resources Agency, Cape Town
- (ix) Mr. J. Sinthumula, Heritage Northern Cape, Department of Sports, Arts and Culture, Kimberley

(See **Registered Letters: Appendix F.2, BID Handed Out: Appendix F.4 and Background Information Document (BID): Appendix F.5**)

(c) An advertisement (English & Afrikaans) was placed in the local newspapers "Die Plattelander" (3 June 2011) and "Die Namakwalander" (3 June 2011). (See **Advertisements: Appendix F.3**)

(d) Copies of the Background Information Document (BID) were lodged at the offices of the Richtersveld Municipality and the Port Nolloth Public Library on 3 June 2011. (See **Cover Letters BID and Acknowledgement: Appendix F.6**)

2. A register of interested and affected parties was opened and maintained. (See **Registered I&APs: Appendix F.7**)

3. A comment and response report was compiled (See **Comment and Response Report (First Round of Public Participation): Appendix F.8**)

4. All registered interested and affected parties were given access to the BID and were given an opportunity to comment on the BID in writing. The closing date for comments on the BID was Monday 04 July 2011.

6.1.1 Proof of notification

- Proof that notices were displayed on the site for the proposed project is provided by means of photographs of the notices on site. (See **Notices Displayed: Appendix F.1**)
- Proof that registered letters were sent to adjacent landowners is provided by means of the official proof of registered letters from the Post Office. (See **Registered Letters: Appendix F.2**)
- Proof that advertisements were placed in "Die Plattelander" and "Die Namakwalander" is provided by means of copies of the advertisements. (See **Advertisements: Appendix F.3**)

- Proof that copies of the Background Information Document (BID) were lodged at the offices of the Richtersveld Municipality and the Port Nolloth Public Library on 3 June 2011. (See **Cover Letters BID and Acknowledgement: Appendix F.6**)

6.2 Register of interested and affected parties

A register of interested and affected parties was opened and maintained. (See **Registered I&APs: Appendix F.7**)

There is a total of 7 registered I&APs, of which 4 are organs of state that have jurisdiction in respect of the activities to which the application for a Waste Management Licence relates.

6.3 Comments and responses

First round of Public Participation (BID, advertisement, etc.) - Written comments were received from 2 I&APs. (See **Comment & Response Report (First round of Public Participation): Appendix F.8**)

6.3.1 Summary of issues raised by interested and affected parties

The only issue raised thus far by I&APs (SAHRA) is concerns regarding the impact of the proposed project on archaeological and palaeontological sites and the consequent need for an assessment of the proposed project.

6.4 Next steps in Public Participation Process

This Draft Scoping Report and proposed Plan of Study for EIA, as well as the Final Scoping Report will be made available to all registered I&APs for comment. The Final Scoping Report will be submitted to the D: EA together with the Proposed Plan of Study for EIA. Following the D: EA approval of the Final Scoping Report and the Proposed Plan of Study for EIA, the EIA phase of the process will commence.

7. FURTHER INVESTIGATIONS REQUIRED

7.1 Archaeology

An Archaeological Impact Assessment need to be conducted to determine if any significant features are present. This assessment will indicate any constraints that would need to be taken into account in considering the development proposal, as well as a map of the identified sensitive areas.

7.2 Geohydrology

Geohydrological impact / risk assessment. of contamination associated with the proposed construction and operation of sewer oxidation ponds.

Environmental issues were raised through informal discussions with the project team, specialists and authorities as well as during the interactive Public Participation Process to date. All issues raised will be assessed in the specialist reports that will form part of the Environmental Impact Report.

The project team has raised the following issues:

- Archaeological issues.
- Geohydrological issues.

8. CONCLUSION & RECOMENDATIONS

A scoping exercise was undertaken to present concept proposals to the I&APs and to identify environmental issues and concerns as a result of the proposed project to date. This Draft Scoping Report, being undertaken in terms of NEMA, summarises the process undertaken so far.

As a result of the above, the need for the following specialist studies, have been identified:

Archaeological Impact Assessment.

Geohydrological Study.

Once the specialist studies have been completed, they will be summarised in an Environmental Impact Report (EIR), which integrates the findings of the assessment phase of the EIA.

In terms of the National Water Act (Act No 36 of 1998) the Applicant must obtain approval/ licence from the D: WA for the irrigation of the nearby sports grounds.

According to Section 21 of the National Water Act the following activity is considered a use, and therefore requires authorisation:

- Section 22(1), Permissible water use

A person may only use water -

(b) if the water use is authorised by a license under the National Water Act.

9. REFERENCES

Mucina, L. & Michael, C.R. 2006. The Vegetation of South Africa, Lesotho and Swaziland. South African National Biodiversity Institute.

APPENDICES

Appendix A: Locality Map

Appendix B: 1:50 000 Topography Map

Appendix C: Google Earth Image

Appendix D: Site Layout Plan

Appendix E: Photographs

Appendix F: Public Participation

Appendix F.1: Notices Displayed

Appendix F.2: Registered Letters

Appendix F.3: Advertisements

Appendix F.4: BID Handed Out

Appendix F.5: Background Information Document

Appendix F.6: Cover Letters BID and Acknowledgement

Appendix F.7: Registered I&APs

Appendix F.8: Comment & Response Report (First Round of Public Participation)

Appendix G: SAHRA Letter dated 8 July 2011

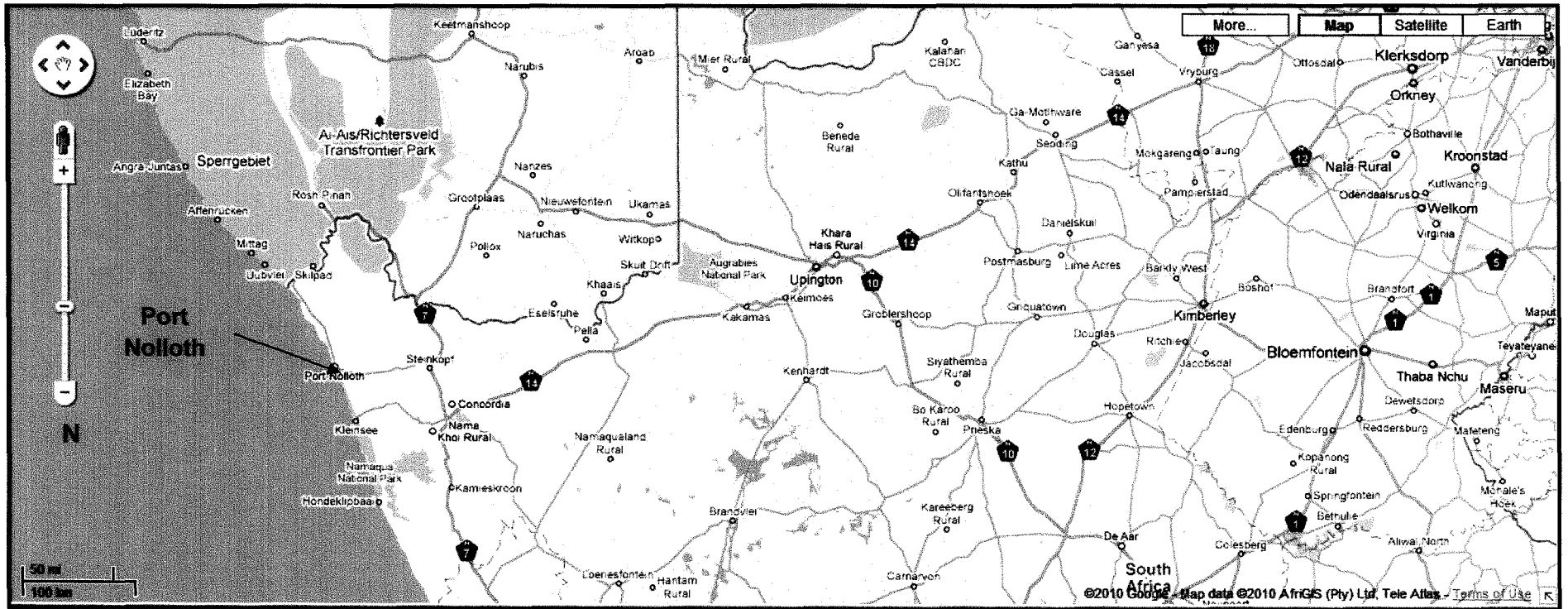
Appendix H: NEMA Principles

Appendix I: Proposed Plan of Study for EIA

Appendix A

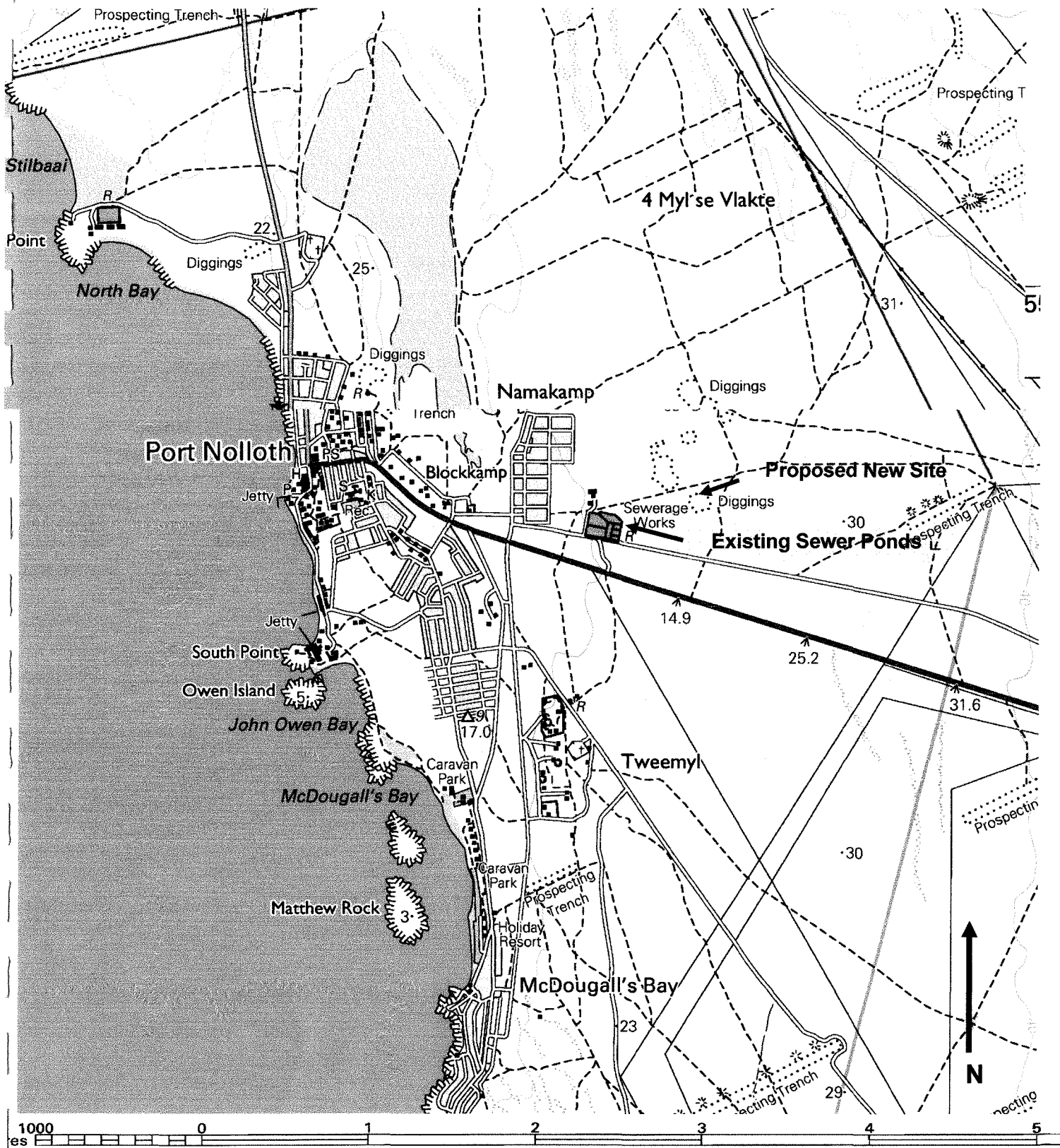
Locality Map

LOCALITY MAP



Appendix B

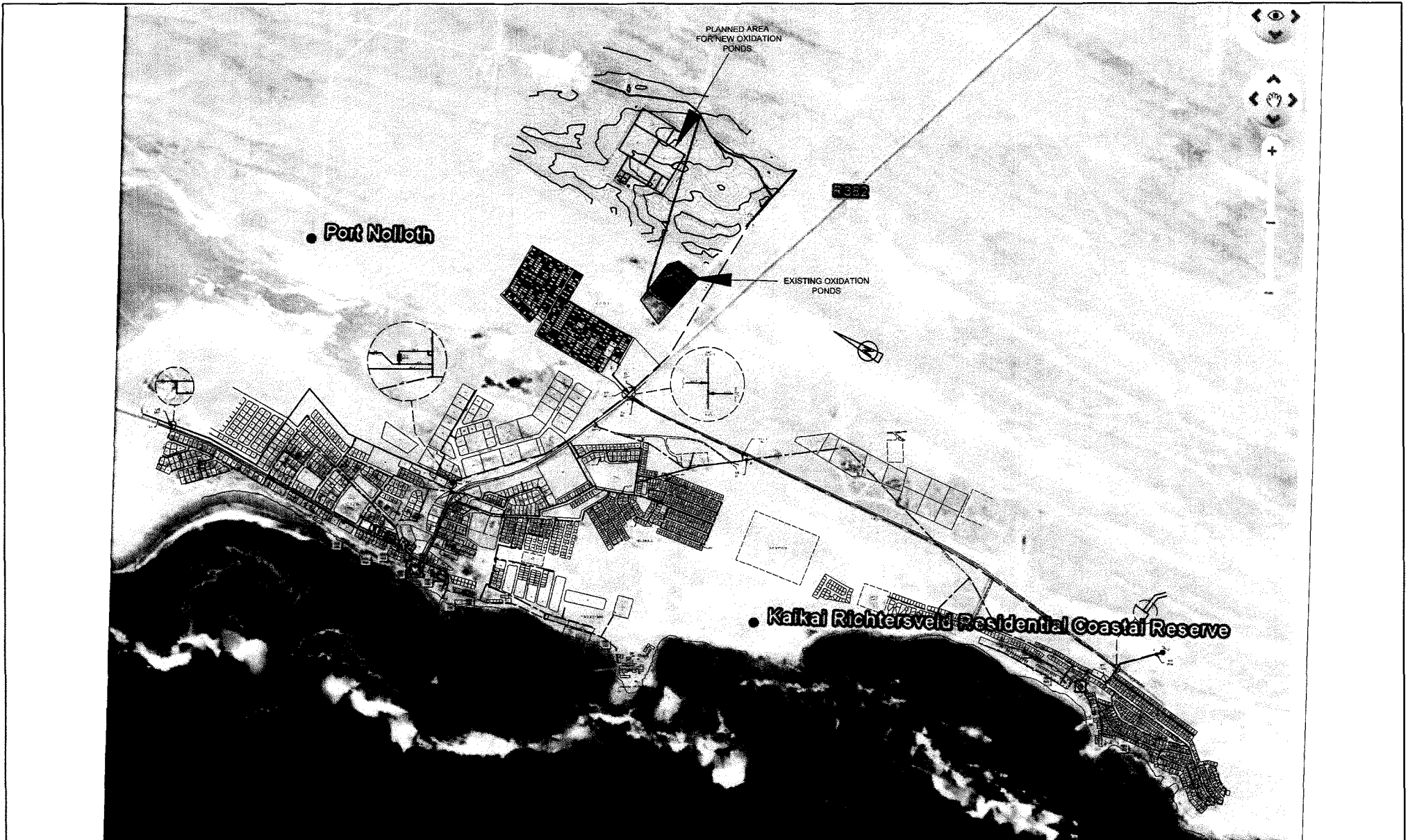
1:50 000 Topography Map



1:50 000 Topography Map of Port Nolloth depicting the location of the existing sewer ponds and proposed new site.

Appendix C

Google Earth Image



DATE	INITIAL	NO./CODE	REVISION DESCRIPTION

CLIENT

RICHTERVELD MUNICIPALITY

bvi
CONSULTING ENGINEERS
Civil, Structural & Electrical Engineers, Environmental & Project Management
NORTHERN CAPE
Springbok

Visit or contact us online at www.bvi.co.za

PROJECT

PORT NOLLOTH OXIDATION PONDS

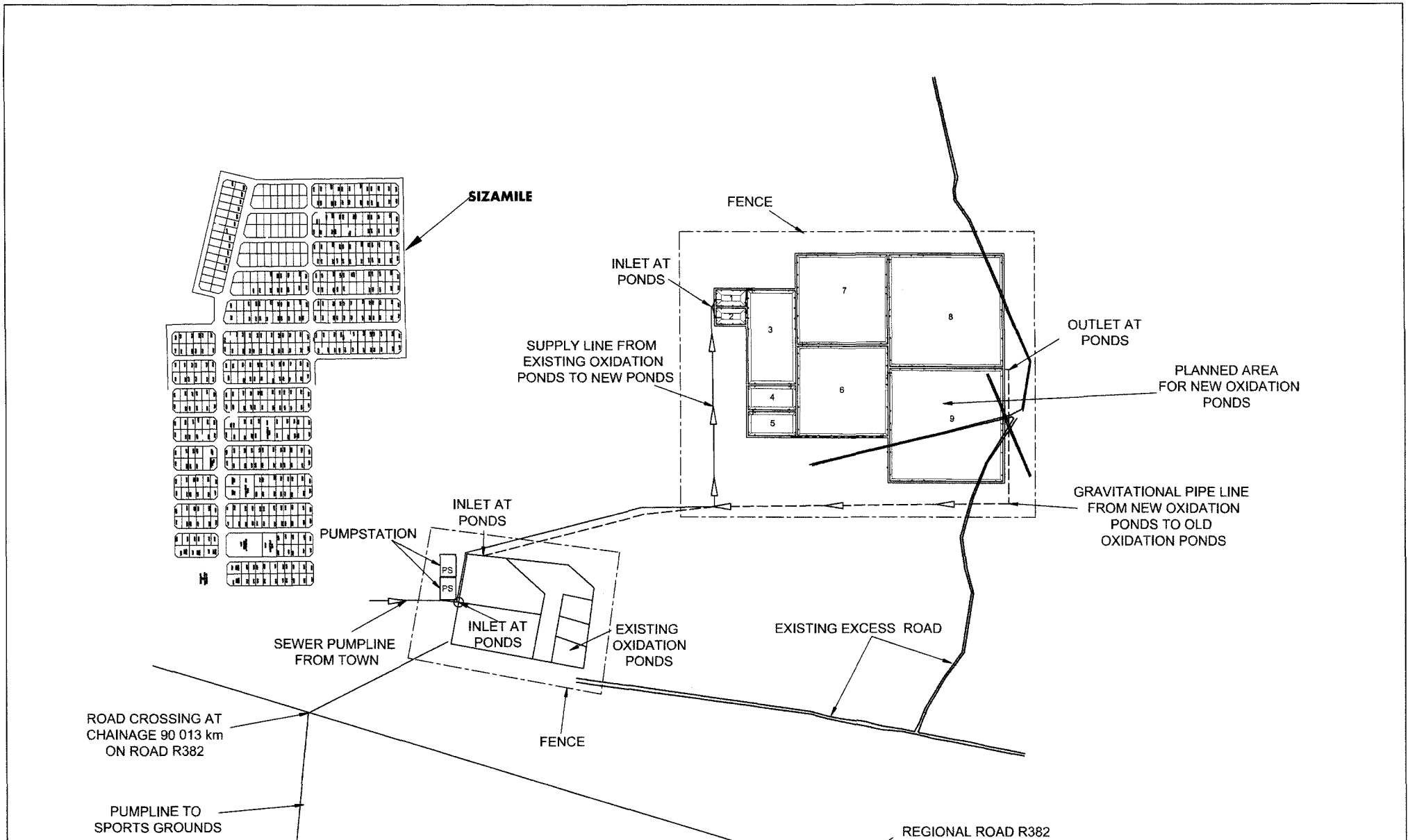
DRAWING TITLE

LAYOUT OF PROPOSED OXIDATION PONDS

ENGINEER/TECHNOLOGIST		REG. NO.		DATE
SCALE	1:6000	DRAWN	D V DYK	
DESIGNED	W.CLOETE	CHECKED	M.M	
PLAN NUMBER		REVISION NO.		DATE SAVED
S756C-100-01		A		31/1/2011

Appendix D

Site Layout Plan



DATUM	VOORL. NR./KODE	WYSIGINGS BESKRYWING

KLIENT

RICHTERVELD MUNICIPALITY



RAADGEWENDE INGENIEURS
 Siviele, Strukturele, & Elektriese Ingenieurs, Omgewing & Projektbestuur
 Noord Kaap

Springbok
 NOORD KAAP

Kontak of besoek ons by www.bvinoop.co.za

PROJIEK

PORT NOLLOTH OXIDATION PONDS

OXIDATION PONDS

INGENIEUR/TEGNOLOOG		REG. NR.	DATUM
SKAAL	1:6000	GETEKEN	D V DYK
ONTWERP	W.CLOETE	NAGESIEN	M.M
TEKENING NOMMER	S756C-130-01	WYSIGINGS NR.	A
		DATUM	GESTOOR

Appendix E

Photographs

Site Photographs: New Sewer Oxidation Ponds Site



Photo No. 1: Taken in a westerly direction.



Photo No. 2: Taken in a northerly direction.



Photo No. 3: Taken in a southerly direction.



Photo No. 6: Taken in a southerly direction.

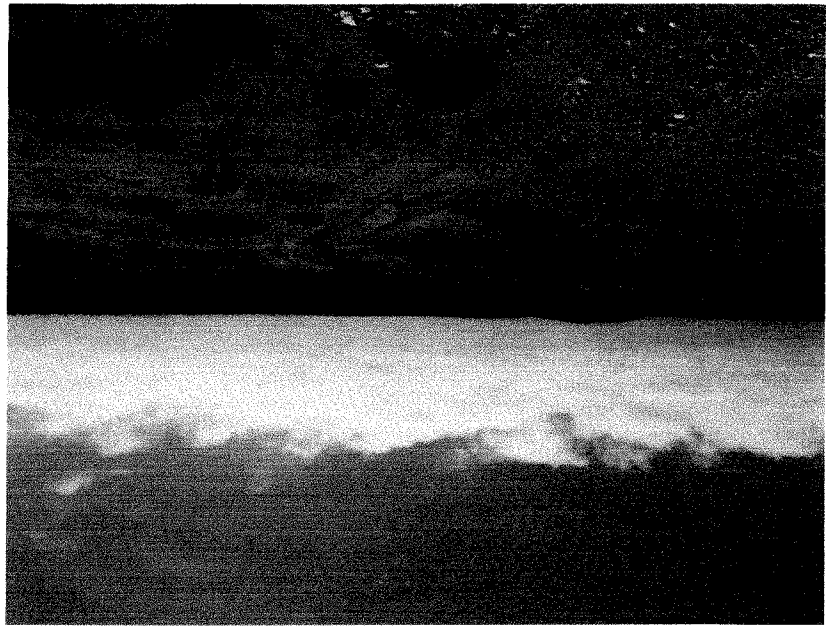


Photo No. 5: Taken in an easterly direction.



Photo No. 4: Taken in westerly direction.



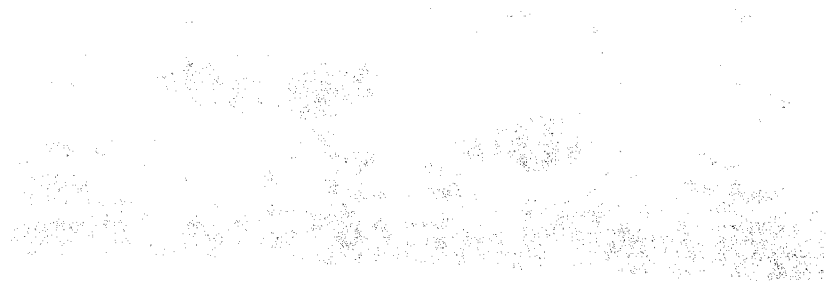
Photo No. 7: Taken in a northerly direction.



Photo No. 8: Taken in an easterly direction.



Photo No. 9: Taken from the site in a northerly direction.



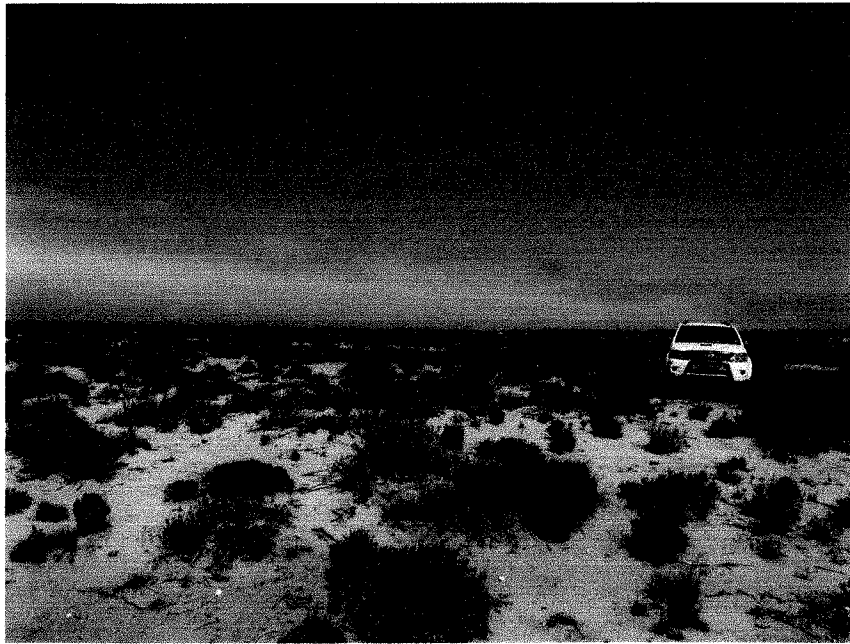


Photo No. 10: Taken from the site in a westerly direction.



Photo No. 11: Taken from the site in a southerly direction.



Photo No. 12: Taken from the site in an easterly direction.



Site Photographs: Existing sewage facility



Photo No. 1: Taken in a northwesterly direction.



Photo No. 2: Taken in a southwesterly direction.



Photo No. 3: Taken in a southeasterly direction.

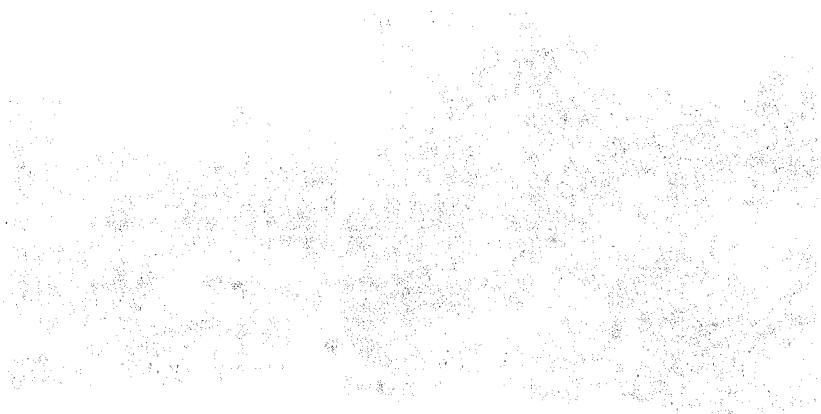




Photo No. 4: Taken in a northeasterly direction.



Photo No. 5: Taken from the sewage facility in an easterly direction.



Photo No. 6: Taken from the sewage facility in a northerly direction.

Photo No. 7: Taken from the sewage facility in a westerly direction.

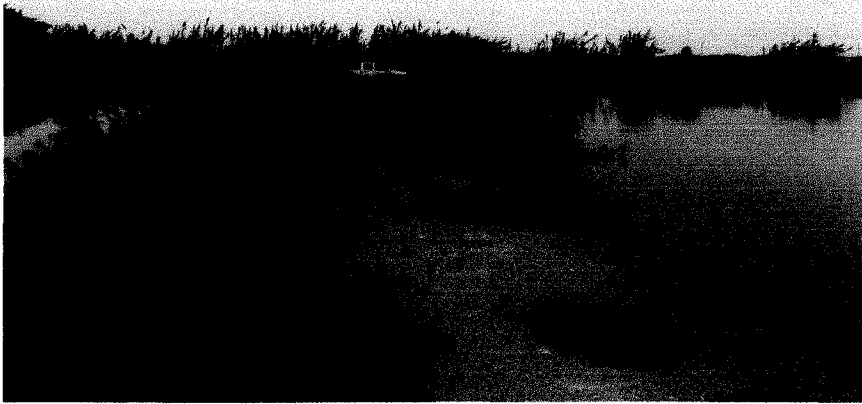


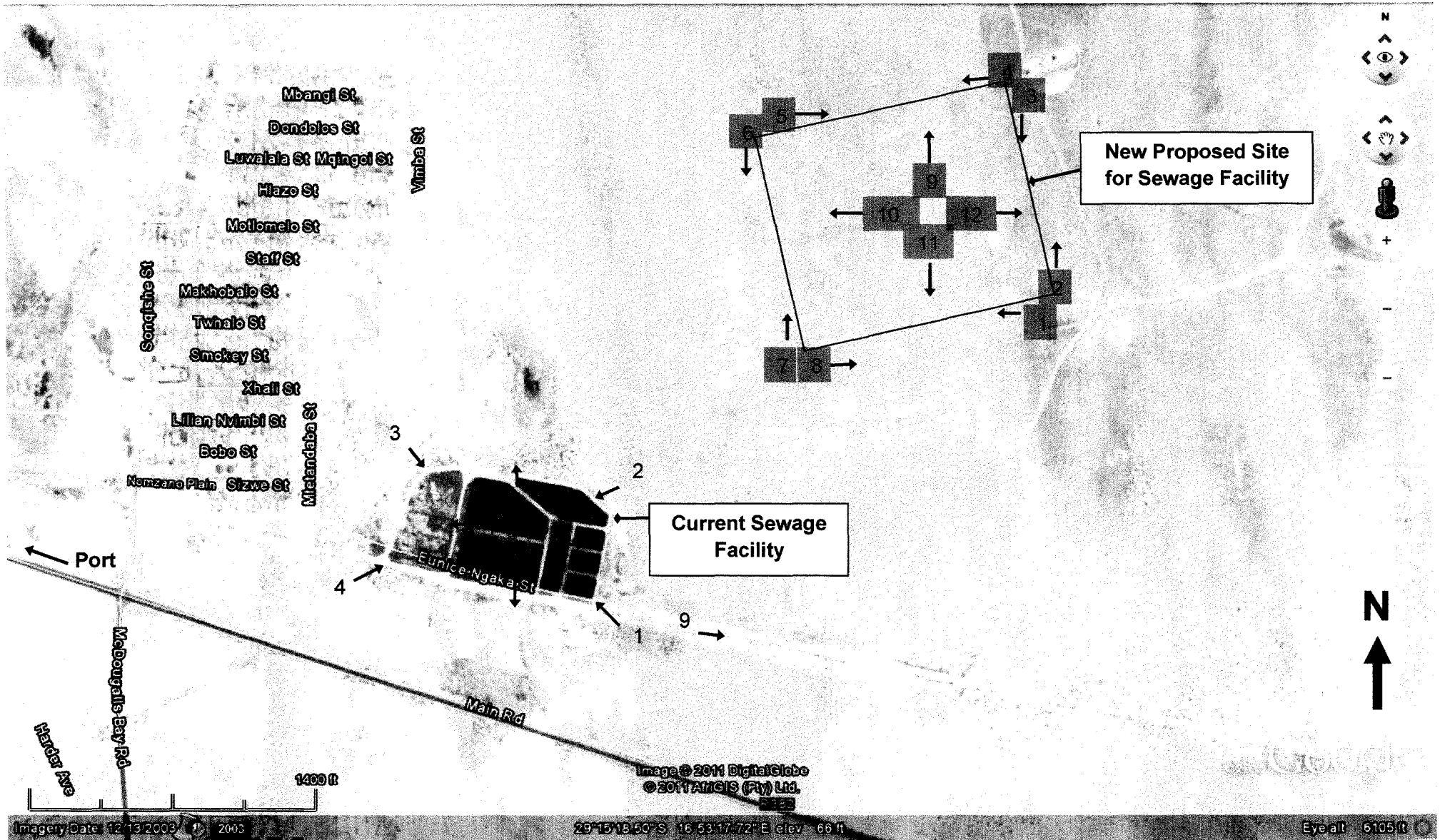
Photo No. 8: Taken from the sewage facility in a southerly direction.



Photo No. 9: Taken in an easterly direction.



Existing access road to new Sewage Facility.



Port Nolloth Sewage facility: Reference of site photographs taken at the current sewage facility and the site for the new proposed facility.

Appendix F

Public Participation Process

Appendix F.1

Notices Displayed

Notices Displayed – 3 June 2011

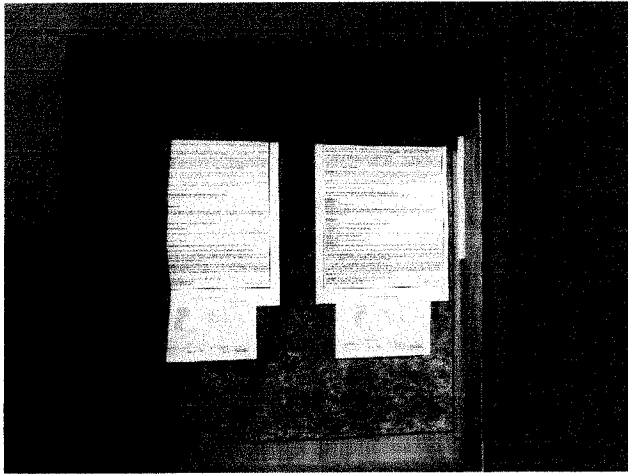


Photo No.: 1
Notices displayed at
the Municipality, Port
Nolloth.

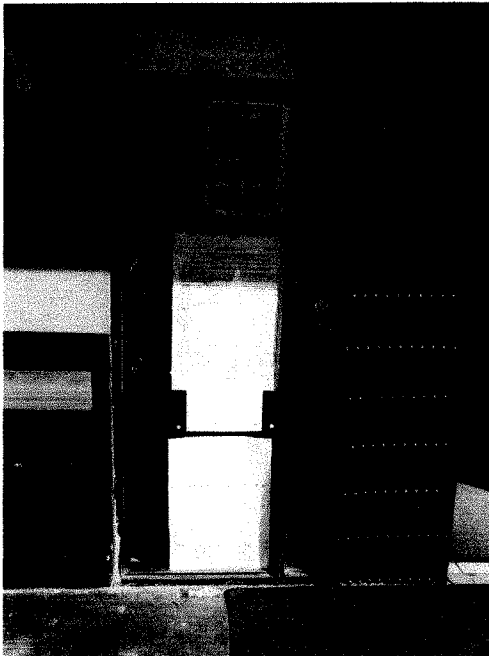


Photo No.: 2
Notice displayed at
Spar, Port Nolloth.

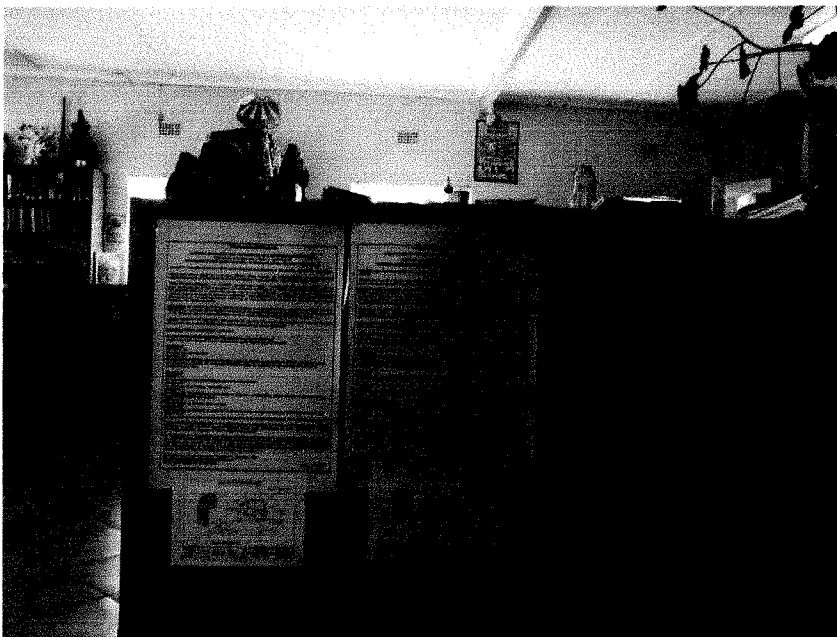


Photo No.: 3
Notices displayed at
Public Library, Port
Nolloth

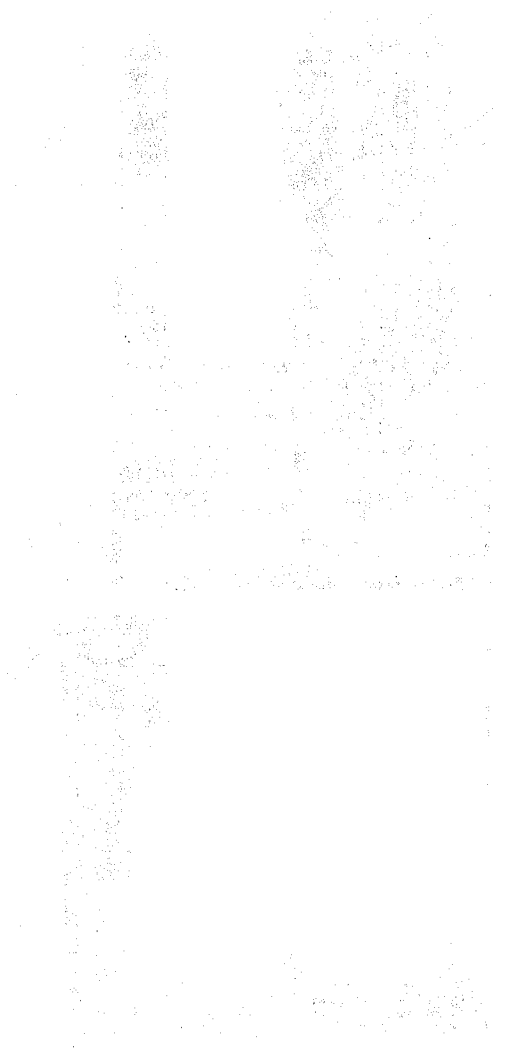




Photo No.: 4
Notice displayed at
Seeff, McDougalls Bay.

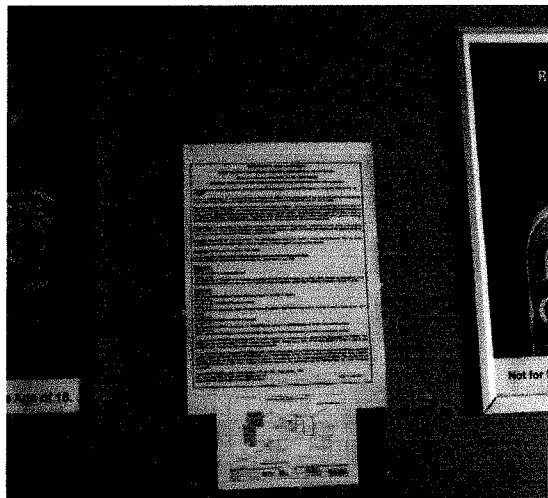


Photo No.: 5
Notice displayed
at Port Tavern,
Nollothville.

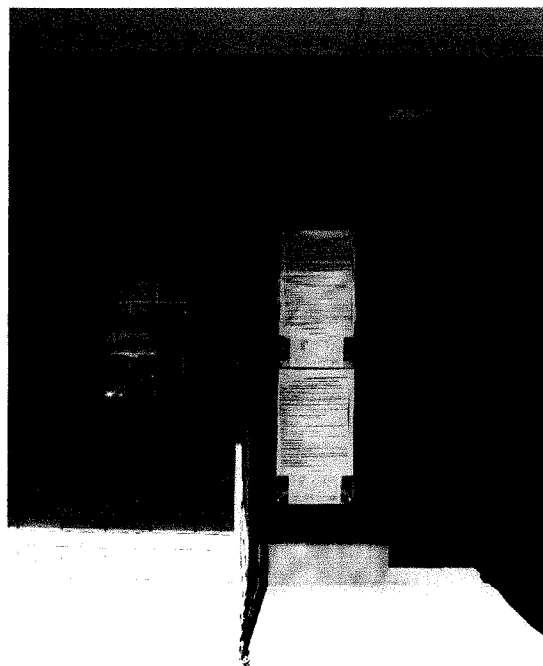


Photo No.: 6
Notices displayed at
Luvuoyo Drop Inn
Centre, Port Nolloth.

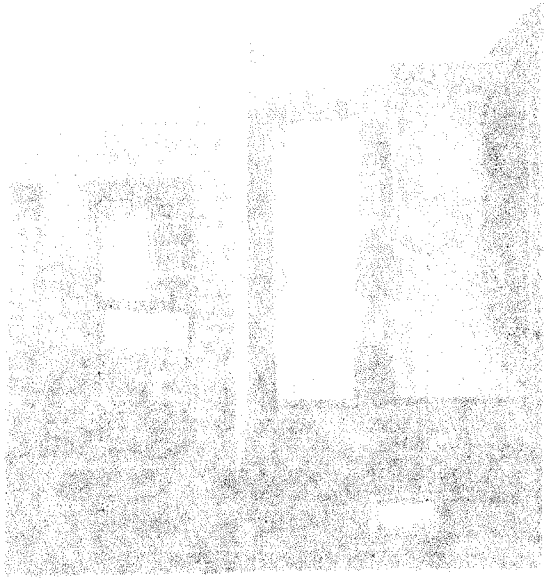




Photo No.: 7
Notices displayed at the existing sewage ponds, Port Nolloth.

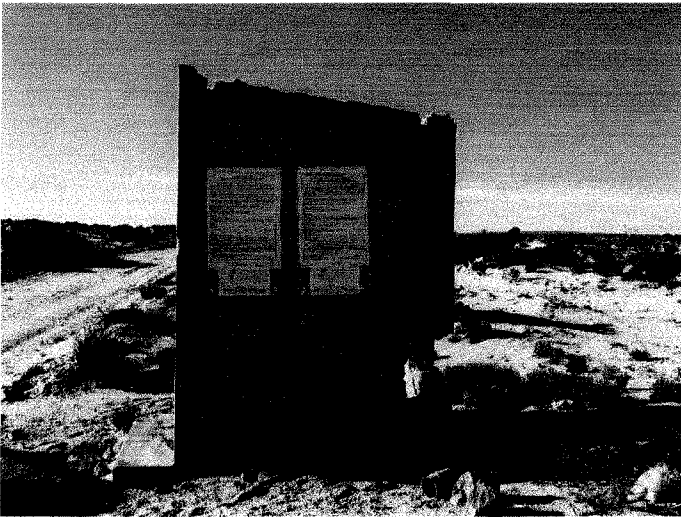


Photo No.: 8
Notices displayed at the proposed site for the sewage oxidation ponds, Port Nolloth.

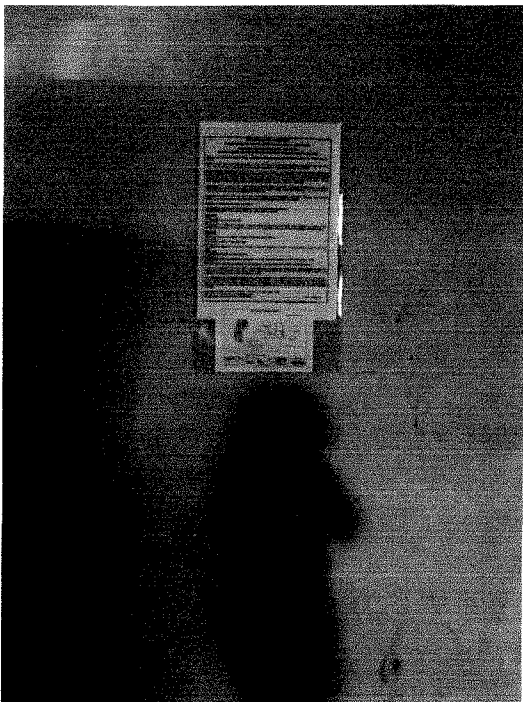
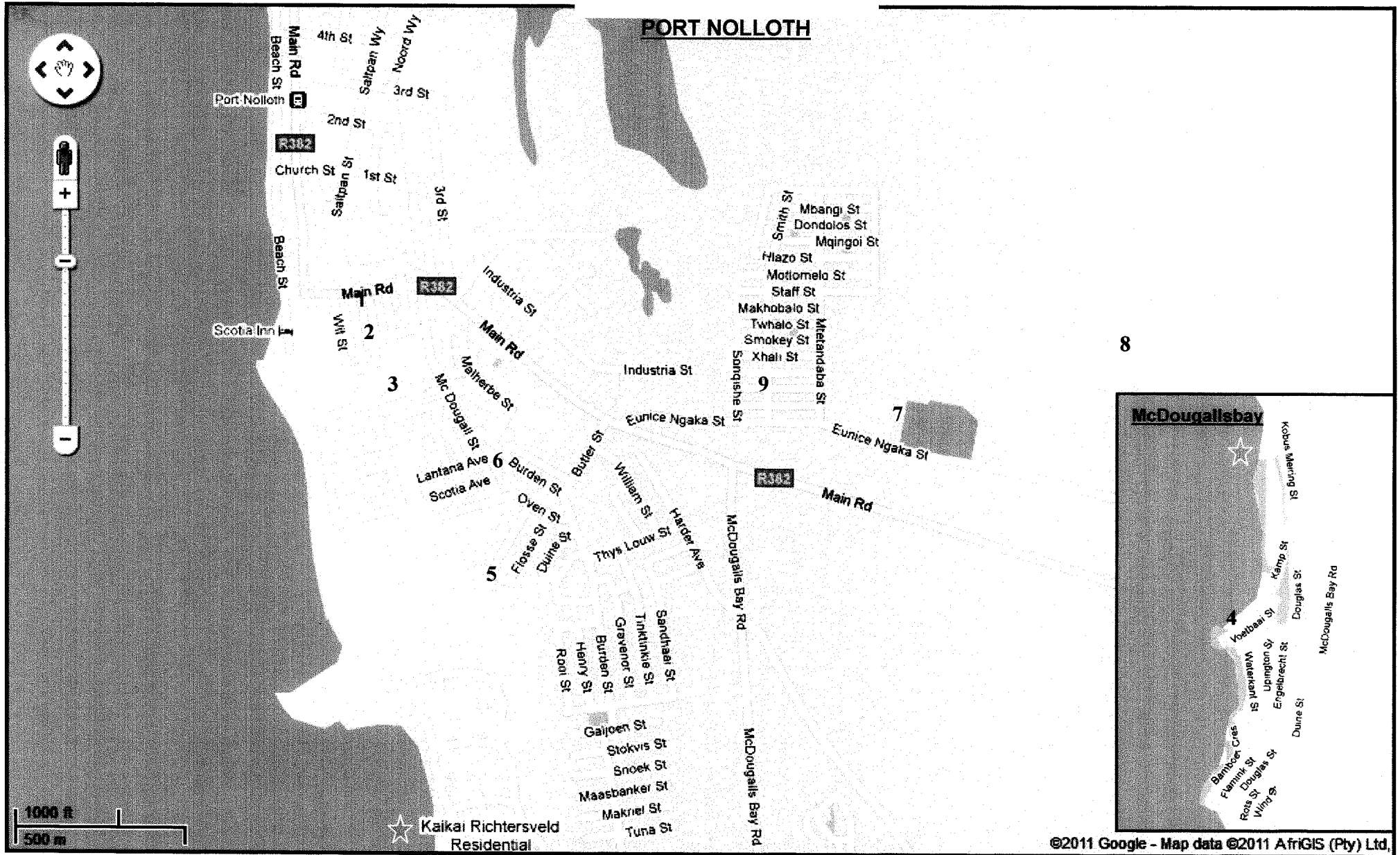


Photo No.: 9
Notice displayed at Davinci's Store, Sizamile.

Location of notices display



ENVIRONMENTAL IMPACT ASSESSMENT

PUBLIC PARTICIPATION PROCESS: SCOPING & ENVIRONMENTAL IMPACT REPORT

Department of Environmental Affairs, Ref. No.: 12/9/11/L612/8

PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED PORT NOLLOTH

Application for a Waste Management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

Notice is hereby given of a public participation process as defined in the environmental impact assessment (EIA) regulations made under section 24(5) of the National Environment Management Act 2008 (NEMA) (Act No. 107 of 1998).

Project Proposal: Alternative 1: The construction of new sewer oxidation - and evaporation ponds which will be HDPE lined to prevent leakage from the ponds. An underground sewer pipeline ($\pm 1,7$ km) and a pump station will be constructed to connect the existing sewer pipeline and sewer ponds with the new sewer oxidation ponds. The existing sewer ponds will be lined in order to be used as evaporation / irrigation ponds. The treated water will be used for irrigation at the municipal sports grounds. Fencing will be installed around the existing and new sewer ponds for security purposes. (See **Site Layout Plan**)

Alternative 2: The upgrading of the existing sewage facility and related infrastructure. Installation of HDPE lining in the existing sewer ponds that will be used as oxidation, evaporation and irrigation ponds. Increasing the capacity of the existing ponds to meet future demands. Installation of fencing around the ponds.

Location: Remainder Erf 516, Port Nolloth. The existing sewage ponds are located ± 160 m east of Sizamile. The new sewer oxidation ponds will be located ± 500 m east of Sizamile. (Eastern edge of the town of Port Nolloth).

Applicant: Richtersveld Municipality, Port Nolloth

Application for environmental authorisation to undertake the following activities:

Listed activities in terms of Government Notice No. 32368 dated 3 July 2009

Category A

Activity 3 (12)

The remediation of contaminated land.

Activity 3 (19)

The expansion of facilities of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or licence in terms of legislation governing the release of pollution, effluent or waste.

Category B

Activity 4 (1)

The storage including the temporary storage of hazardous waste in lagoons.

Activity 4 (2)

The reuse and recycling of hazardous waste

Activity 4 (5)

The treatment of hazardous waste using any form of treatment regardless of the size or capacity of such a facility to treat such waste.

Activity 4 (6)

The treatment of hazardous waste in lagoons.

Activity 4 (7)

The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.

Activity 4 (11)

The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

A Background Information Document (BID) for public inspection is available at the offices of the Richtersveld Municipality, Port Nolloth and at the Port Nolloth Public Library, Robson Street. Library hours: Mon. to Fri. from 08h30 to 17h00. A copy is also available upon request from the under mentioned consultant.

To be registered as an interested and affected party (I&AP) please refer to the reference number above and send your name and contact details (preferred method of notification, e.g. E-mail address or fax number) and an indication of any direct business, financial, personal, or other interest which you have in the application to the under mentioned consultant. The closing date for registration is **Monday 4 July**. Further information regarding the application can be obtained from the under mentioned consultant.

Consultant: ENVIRO LOGIC (Port Nolloth), P.O. Box 3731, Tyger Valley, 7536.

Fax: (021) 919 4048. E-mail: gpec12@telkomsa.net

Contact person: Gert Pretorius Cell: 082 458 9844

Date of notice: 3 June 2011

OMGEWINGSIMPAKBEOORDELING

OPENBARE DEELNAMEPROSES: OMVANGSBEPALING & OMGEWINGSINVLOEDVERSLAG

Departement van Omgewingsake, Verw. Nr: 12/9/11/L612/8

VOORGESTELDE RIOOL OKSIDASIE DAMME EN VERWANTE INFRASTRUKTUUR PORT NOLLOTH

Aansoek vir 'n Afvalbestuurslisensie in terme van die Nasionale Omgewingsbestuur, Wet op Afval, 2008 (Wet Nr. 59 van 2008).

Kennis word hiermee gegee van 'n openbare deelname proses ingevolge die Omgewingsimpakbepalingsregulasies 2010 uitgevaardig in terme van artikel 24 (5) van die Wet op Nasionale Omgewingsbestuur, 2008 (Wet Nr. 107 van 1998).

Projek Voorstel: Alternatief 1: Die konstruksie van nuwe riool oksidasie - en verdamping damme wat met "HDPE" uitgevoer word om lekkasie van die damme te voorkom. 'n Ondergrondse riool pyplyn ($\pm 1,7$ km) en 'n pompstasie sal opgerig word om die bestaande riool pyplyn en riool damme met die nuwe riool oksidasie damme te verbind. Die bestaande riool dam sal uitgevoer word ten einde gebruik te word as verdamping / besproeiing dam. Die behandelde water sal gebruik word vir besproeiing by die munisipale sport gronde. Omheining sal geïnstalleer word om die bestaande en nuwe riool dam vir sekuriteit doeleindes (**Sien Terein Uitlegplan**).

Alternatief 2: Die opgradering van die bestaande riool fasiliteit en verwante infrastruktuur. Installasie van HDPE voering in die bestaande riool damme wat as oksidasie, verdamping en besproeiing dam gebruik word. Die verhoging van die kapasiteit van die bestaande damme om aan toekomstige vereistes te voldoen. Installasie van omheining rondom die dam.

Ligging: Restant Erf 516, Port Nolloth. Die bestaande riool dam is ± 160 m oos van Sizamile geleë. Die nuwe riool oksidasie damme sal ± 500 m oos van Sizamile geleë wees (Oostelike-rand van die dorp Port Nolloth).

Aansoeker: Richtersveld Munisipaliteit, Port Nolloth

Aansoek om omgewingsmagtiging om die volgende aktiwiteite te onderneem:

Gelyste aktiwiteite in terme van Goewermentskennisgewing Nr. 32368 gedateer 3 Julie 2009

Kategorie A

Aktiwiteit 3 (12)

Die herstel van besmette grond.

Aktiwiteit 3 (19)

Die uitbreiding van fasiliteite van/of veranderings tot bestaande fasiliteite vir enige proses of aktiwiteit, wat 'n wysiging van 'n bestaande permit of lisensie, of 'n nuwe permit of lisensie in terme van wetgewing wat die vrystelling van besoedeling, uitvloeisel of afval vereis.

Kategorie B

Aktiwiteit 4 (1)

Die stoor insluitend die tydelike berging van gevaarlike afval in damme.

Aktiwiteit 4 (2)

Die hergebruik en herwinning van gevaarlike afval

Aktiwiteit 4 (5)

Die behandeling van gevaarlike afval gebruik van enige vorm van behandeling, ongeag die grootte of kapasiteit van so 'n fasiliteit om sodanige afval te behandel.

Aktiwiteit 4 (6)

Die behandeling van gevaarlike afval in damme.

Aktiwiteit 4 (7)

Die behandeling van uitvloeisel, afvalwater of rioolvuil met 'n jaarlikse deurvloei kapasiteit van 15 000 kubieke meter of meer.

Aktiwiteit 4 (11)

Die konstruksie van fasiliteite vir aktiwiteite wat in Kategorie B van hierdie Bylae (nie in isolasie na verwante aktiwiteit).

'n Agtergrondinligtingsdokument (AID) is vir openbare inspeksie beskikbaar by die kantore van die Richtersveld Munisipaliteit, Port Nolloth en by die Port Nolloth Openbare Biblioteek, Robson Straat. Biblioteekure: Ma. tot Vr. vanaf 08h30 tot 17h00. 'n Afskrif is ook beskikbaar op versoek van die ondergenoemde konsultant.

Om geregistreer te word as 'n Belanghebbende en Geaffekteerde Party (B & GP) verwys asseblief na die verwysingsnommer bo en stuur jou naam en kontakbesonderhede (voorkeur-metode van kennisgewing, bv E-pos adres of faksnommer) en 'n aanduiding van enige direkte sake-, finansiële, persoonlike, of ander belange wat jy het in die aansoek na die ondergenoemde konsultant. Die sluitingsdatum vir registrasie is **Maandag 4 Julie**. Verdere inligting rakende die aansoek kan verkry word van die ondergenoemde konsultant.

Konsultant: Enviro Logic (Port Nolloth), Posbus 3731, Tygervallei, 7536.

Faks: (021) 919 4048 E-pos: gpec12@telkomsa.net

Kontak: Gert Pretorius Sel: 082 458 9844

Datum van Kennisgewing: 3 Junie 2011

Appendix F.2

Registered Letters

Th

PROPOSED SEWER OXIDATION PONDS, PORT NOLLOTH

Address List Registered Post: Copies of BID 6 June 2011

Municipal Manager
Namakwa District Municipality
P. O. Box 5
SPRINGBOK
8240

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 942 ZA
CUSTOMER COPY 301028R

Mr. J. G. Cloete
Municipal Manager
Richtersveld Municipality
Private Bag X 113
PORT NOLLOTH
8280

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 845 ZA
CUSTOMER COPY 301028R

Clr. G. Beukes
343 Gravenor Street
PORT NOLLOTH
8280

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 868 ZA
CUSTOMER COPY 301028R

Mr. F. C. Rust
Chairman
Richtersveld Ratepayers Association
P. O. Box 443
PORT NOLLOTH
8280

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 885 ZA
CUSTOMER COPY 301028R

Mr. B. Cornelissen
Department Environment & Nature Conservation
Private Bag X 16
SPRINGBOK
8240

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 783 ZA
CUSTOMER COPY 301028R

Mr. E. Kubayi
Department of Water Affairs
Private Bag X 5912
UPINGTON
8800

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 806 ZA
CUSTOMER COPY 301028R


Dr. M. Galimberti
APM Impact Assessor
South African Heritage Resources Agency
P. O. Box 4637
CAPE TOWN
8000.

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RD 547 768 823 ZA
CUSTOMER COPY 301028R

TYGER VALLEY 7536
03 JUN 2011
FOLIO 7

Mr. J. Sinthumula
 Heritage Northern Cape
 Department of Sports, Arts and Culture
 Private Bag X 5004
 KIMBERLEY
 8300

REGISTERED LETTER
(with a domestic insurance option)
 ShareCall 0800 111 502 www.sapo.co.za
 RD 547 768 721 ZA
 CUSTOMER COPY 301028R

REGISTERED LETTER GEREGISTREERDE BRIEF <i>(with an insurance option/met 'n versekeringsopsie)</i>		Postage paid R _____ c Service fee / Diensgeld R _____ c Insurance / Versekering R _____ c Total / Totaal R _____ c
Full tracking and tracing/Volledige volg en spoor		Insured value of contents Versekerde waarde van inhoud R _____ c
Addressed to/Geadresseer aan ENVIRO LOGIC 8/egla items <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Postcode Poskode	Enquiries/Navrae Toll-free number Tolvry nommer 0800 111 502	Initial of accepting officer Date Stamp TYGER VALLEY 7536 03 JUN 2011 FOLIO 7
<p>The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.</p> <p>Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentere bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregisteerde briewe van toepassing.</p>	Affix Track and Trace customer copy Plak Volg-en-Spoor klientafskrif	Paraaf van aaneem-beampte Datumstempel

TYGER VALLEY 7536
 03 JUN 2011
 FOLIO 7

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Municipal Manager
Namakwa District Municipality
Private Bag X 20
SPRINGBOK
8240

Dear Sir/ Ms.

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius (Pr.Sci.Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Mr. J. G. Cloete
Municipal Manager
Richtersveld Municipality
Private Bag X 113
PORT NOLLOTH
8280

Dear Mr. Cloete,

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius
(Pr.Sci.Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Cllr. G. Beukes
343 Gravenor Street
PORT NOLLOTH
8280

Dear Cllr. Beukes

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius (Pr.Sci.Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Mr. F. C. Rust
Chairman
Richtersveld Ratepayers Association
P. O. Box 443
PORT NOLLOTH
8280

Dear Mr. Rust

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius (Pr.Sci.Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Mr. B. Cornelissen
Department Environment & Nature Conservation
Private Bag X 16
SPRINGBOK
8240

Dear Mr. Cornelissen.

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius (Pr.Sci.Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Mr. E. Kubayi
Department of Water Affairs
Private Bag X 5912
UPINGTON
8800

Dear Mr. Kubayi

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours faithfully,



Gert Pretorius (Pr. Sci. Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Dr. M. Galimberti
APM Impact Assessor
South African Heritage Resources Agency
P. O. Box 4637
CAPE TOWN
8000

Dear Dr. Galimberti,

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius
(Pr.Sci.Nat.)

D: EA Ref. No.: 12/9/11/L612/8

3 June 2011

Mr. J. Sinthumula
Heritage Northern Cape
Department of Sports, Arts and Culture
Private Bag X 5004
KIMBERLEY
8300

Dear Mr. J. Sinthumula,

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for your information.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**.

Yours sincerely,



Gert Pretorius
(Pr.Sci.Nat.)

Appendix F.3

Advertisements

OMGEWINGSIMPAKBEORDELING

OPENBARE DEELNAMEPROSES: OMVANGSBEPALING & OMGEWINGSINVLOEDVERSLAG

Departement van Omgewingsake, Verw. Nr: 12/9/11/L612/8

VOORGESTELDE RIOOL OKSIDASIE DAMME EN VERWANTE INFRASTRUKTUUR PORT NOLLOTH

Aansoek vir 'n Afvalbestuursiensensie in terme van die Nasionale Omgewingsbestuur: Wet op Afval, 2008 (Wet Nr. 59 van 2008).

Kennis word hiermee gegee van 'n openbare deelname proses ingevolge die Omgewingsimpakbepalingsregulasies 2010 uitgevaardig in terme van artikel 24 (5) van die Wet op Nasionale Omgewingsbestuur, 2008 (Wet Nr. 107 van 1998).

Projek 1: Alternatief 1: Die konstruksie van nuwe riool oksidasie - en verdamping damme wat met "HDPE" uitgevoer word om lekkasie van die damme te voorkom. 'n Ondergrondse riool pyplyn (± 1.7 km) en 'n pompstasie sal opgerig word om die bestaande rioolpyplyn en riooldamme met die nuwe riool oksidasie damme te verbind. Die bestaande riooldamme sal uitgevoer word ten einde gebruik te word as verdamping / besproeiings damme. Die behandelde water sal gebruik word vir besproeiing by die munisipale sport gronde. Omheining sal opgerig word om die bestaande en nuwe riooldam vir sekuriteit doeleindes.

Alternatief 2: Die opgradering van die bestaande riool fasiliteite en verwante infrastruktuur. Installering van "HDPE" voering in die bestaande riool damme wat as oksidasie, verdamping en besproeiing damme gebruik word. Die verhoging van die kapasiteit van die bestaande damme om aan toekomstige vereistes te voldoen. Oprig van 'n omheining rondom die damme.

Ligging: Restant Erf 516, Port Nolloth. Die bestaande riool dam is ± 160 m oos van Sizamile geleë. Die nuwe riool oksidasie damme sal ± 500 m oos van Sizamile geleë wees (Oostelike rand van die dorp Port Nolloth).

Aansoeker: Munisipaliteit Richtersveld, Port Nolloth

Aansoek om omgewingsmagtiging om die volgende aktiwiteite te onderneem:

Gelyke aktiwiteite in terme van Goewermentskennisgewing Nr. 32368 gedateer 3 Julie 2009

Kategorie A

Aktiwiteit 3 (12)

Die herstel van besmette grond.

Aktiwiteit 3 (19)

Die uitbreiding van fasiliteite van/of veranderings tot bestaande fasiliteite vir enige proses of aktiwiteit, wat 'n wysiging van 'n bestaande permit of lisensie, of 'n nuwe permit of lisensie in terme van wetgewing wat die vrystelling van besoedeling, uitvloeiing of afval vereis.

Konsultant: ENVIRO LOGIC (Port Nolloth), Posbus 3731, Tygervallei, 7536. Faks: (021) 919 4048. E-pos: gpec12@telkomsa.net

Kontakpersoon: Gert Pretorius Sel: 082 458 9844

Datum van kennisgewing: 3 Junie 2011

Kategorie B

Aktiwiteit 4 (1)

Die stoor insluitend die tydelike berging van gevaarlike afval in damme.

Aktiwiteit 4 (2)

Die hergebruik en herwinning van gevaarlike afval.

Aktiwiteit 4 (5)

Die behandeling van gevaarlike afval deur middel van enige vorm van behandeling, ongeag die grootte of kapasiteit van so 'n fasiliteit om sodanige afval te behandel.

Aktiwiteit 4 (6)

Die behandeling van gevaarlike afval in damme.

Aktiwiteit 4 (7)

Die behandeling van uitvloeiing, afvalwater of rioolvuil met 'n jaarlikse deurvloei kapasiteit van 15 000 kubieke meter of meer.

Aktiwiteit 4 (11)

Die konstruksie van fasiliteite vir aktiwiteite wat in Kategorie B van hierdie Bylae (nie in isolasie tot verwante aktiwiteit) gelys is.

Aktiwiteit 4 (11)

Die konstruksie van fasiliteite vir aktiwiteite wat in Kategorie B van hierdie Bylae (nie in isolasie tot verwante aktiwiteit) gelys is.

'n Agtergrondinligtingsdokument (AID) is vir openbare inspeksie beskikbaar by die kantore van die Richtersveld Munisipaliteit, Port Nolloth en by die Port Nolloth Openbare Biblioteek, Robson Straat. Biblioteekure: Ma. tot Vr. vanaf 08h30 tot 17h00. 'n Afskrif is ook beskikbaar op versoek van die ondergenoemde konsultant.

Om te registreer as 'n Belanghebbende en Geaffekteerde Party moet u asseblief na bogenoemde verwysingsnommer verwys en u naam en kontakbesonderhede (voorkeur-metode van kennisgewing, by E-pos adres of faksnommer) en 'n aanduiding van enige direkte-, finansiële, persoonlike, of ander belange wat u in die aansoek het aan die ondergenoemde konsultant stuur. Die sluitingsdatum vir registrasie as Belanghebbende en Geaffekteerde Party is **Vrydag 8 Julie 2011**. Verdere inligting rakende die aansoek kan verkry word by die ondergenoemde konsultant.

ENVIRONMENTAL IMPACT ASSESSMENT

PUBLIC PARTICIPATION PROCESS: SCOPING & ENVIRONMENTAL IMPACT REPORT

Department of Environmental Affairs, Ref. No.: 12/9/11/L612/8

PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE PORT NOLLOTH

Application for a Waste Management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

Notice is hereby given of a public participation process as defined in the environmental impact assessment (EIA) regulations made under section 24(5) of the National Environment Management Act 2008 (NEMA) (Act No. 107 of 1998).

Project Proposal: Alternative 1: The construction of new sewer oxidation - and evaporation ponds which will be HDPE lined to prevent leakage from the ponds. An underground sewer pipeline (± 1.7 km) and a pump station will be constructed to connect the existing sewer pipeline and sewer ponds with the new sewer oxidation ponds. The existing sewer ponds will be lined in order to be used as evaporation / irrigation ponds. The treated water will be used for irrigation at the municipal sports grounds. Fencing will be installed around the existing and new sewer ponds for security purposes.

Alternative 2: The upgrading of the existing sewage facility and related infrastructure. Installation of HDPE lining in the existing sewer ponds that will be used as oxidation, evaporation and irrigation ponds. Increasing the capacity of the existing ponds to meet future demands. Installation of fencing around the ponds.

Location: Remainder Erf 516, Port Nolloth. The existing sewage ponds are located ± 160 m east of Sizamile. The new sewer oxidation ponds will be located ± 500 m east of Sizamile.

(Eastern edge of the town of Port Nolloth).

Applicant: Richtersveld Municipality, Port Nolloth

Application for environmental authorisation to undertake the following activities:

Listed activities in terms of Government Notice No. 32368 dated 3 July 2009

Category A

Aktiwiteit 3 (12)

The remediation of contaminated land.

Aktiwiteit 3 (19)

The expansion of facilities of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or licence in terms of legislation governing the release of pollution, effluent or waste.

Category B

Aktiwiteit 4 (1)

The storage including the temporary storage of hazardous waste in lagoons.

Aktiwiteit 4 (2)

The reuse and recycling of hazardous waste

Aktiwiteit 4 (5)

The treatment of hazardous waste using any form of treatment regardless of the size or capacity of such a facility to treat such waste.

Aktiwiteit 4 (6)

The treatment of hazardous waste in lagoons.

Aktiwiteit 4 (7)

The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.

Aktiwiteit 4 (11)

The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

Aktiwiteit 4 (11)

The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

A Background Information Document (BID) for public inspection is available at the offices of the Richtersveld Municipality, Port Nolloth and at the Port Nolloth Public Library, Robson Street. Library hours: Mon. to Fri. from 08h30 to 17h00. A copy is also available upon request from the under mentioned consultant.

To be registered as an interested and affected party (I&AP) please refer to the reference number above and send your name and contact details (prefer red method of notification, e.g. E-mail address, or fax number) and an indication of any direct business, financial, personal, or other interest which you have in the application to the under mentioned consultant. The closing date for registration is **Friday 8 July 2011**. Further information regarding the application can be obtained from the under mentioned consultant.

Consultant: ENVIRO LOGIC (Port Nolloth), P.O. Box 3731, Tyger Valley, 7536. Fax: (021) 919 4048. E-mail: gpec12@telkomsa.net

Contact person: Gert Pretorius Cell: 082 458 9844

Date of notice: 3 June 2011

MUNISIPALE BESTUURDER VAN NAMA KHOI BEDANK

Na die uitslae van die verkiesing het sy reeds aangedui dat sy nie verder deel gaan of wil wees nie van die munisipaliteit.

Die munisipale bestuurder van die Nama Khoi munisipaliteit op Springbok, me. Madeleine Brandt, het Woensdagoggend haar bedanking ingedien.

Gister (Dinsdag, 31.05.11) was sy nog betrokke om die nuwe raad te laat insweer en by die verkiesing van die nuwe speaker en burgemeester. Die DA en Cope is in 'n koalisie en beheer nou die Nama Khoi munisipaliteit.

Na die uitslae van die

verkiesing het sy reeds aangedui dat sy nie verder deel gaan of wil wees nie van die munisipaliteit. Vanoggend (Woensdag, 01.06.11) het sy samesprekings gehou met die nuwe speaker, mnr. Joshua Losper (Cope) en die nuwe burgemeester, mnr. William (Tommy)

ENVIRONMENTAL IMPACT ASSESSMENT

PUBLIC PARTICIPATION PROCESS: SCOPING & ENVIRONMENTAL IMPACT REPORT

Department of Environmental Affairs, Ref. No.: 12/9/11/L612/8
PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE PORT NOLLOTH

Application for a Waste Management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

Notice is hereby given of a public participation process as defined in the environmental impact assessment (EIA) regulations made under section 24(5) of the National Environment Management Act 2008 (NEMA) (Act No. 107 of 1998).

Project Proposal: Alternative 1: The construction of new sewer oxidation - and evaporation ponds which will be HDPE lined to prevent leakage from the ponds. An underground sewer pipeline (± 1,7 km) and a pump station will be constructed to connect the existing sewer pipeline and sewer ponds with the new sewer oxidation ponds. The existing sewer ponds will be lined in order to be used as evaporation / irrigation ponds. The treated water will be used for irrigation at the municipal sports grounds. Fencing will be installed around the existing and new sewer ponds for security purposes.

Alternative 2: The upgrading of the existing sewage facility and related infrastructure. Installation of HDPE lining in the existing sewer ponds that will be used as oxidation, evaporation and irrigation ponds. Increasing the capacity of the existing ponds to meet future demands. Installation of fencing around the ponds.

Location: Remainder Erf 516, Port Nolloth. The existing sewage ponds are located ± 160m east of Sizamile. The new sewer oxidation ponds will be located ± 500 m east of Sizamile. (Eastern edge of the town of Port Nolloth).

Applicant: Richtersveld Municipality, Port Nolloth

Application for environmental authorisation to undertake the following activities:
Listed activities in terms of Government Notice No. 32368 dated 3 July 2009

C_joryA

Activity 3 (12)
The remediation of contaminated land.
Activity 3 (19)

The expansion of facilities of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or licence in terms of legislation governing the release of pollution, effluent or waste.

Category B

Activity 4 (1)
The storage including the temporary storage of hazardous waste in lagoons.
Activity 4 (2)
The reuse and recycling of hazardous waste
Activity 4 (5)
The treatment of hazardous waste using any form of treatment regardless of the size or capacity of such a facility to treat such waste.
Activity 4 (6)
The treatment of hazardous waste in lagoons.
Activity 4 (7)
The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.
Activity 4 (11)
The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

A Background Information Document (BID) for public inspection is available at the offices of the Richtersveld Municipality, Port Nolloth and at the Port Nolloth Public Library, Robson Street. Library hours: Mon. to Fri. from 08h30 to 17h00. A copy is also available upon request from the under mentioned consultant.

To be registered as an interested and affected party (I&AP) please refer to the reference number above and send your name and contact details (preferred method of notification, e.g. E-mail address or fax number) and an indication of any direct business, financial, personal, or other interest which you have in the application to the under mentioned consultant. The closing date for registration is **Friday 8 July 2011**. Further information regarding the application can be obtained from the under mentioned consultant.

Consultant: ENVIRO LOGIC (Port Nolloth), P.O. Box 3731, Tyger Valley, 7536.
Fax: (021) 919 4048. E-mail: gpec12@telkomsa.net
Contact person: Gert Pretorius Cell: 082 458 9844

Date of notice: 3 June 2011

Appendix F.4

BID Handed Out

ENVIRONMENTAL IMPACT ASSESSMENT

PUBLIC PARTICIPATION PROCESS: SCOPING & ENVIRONMENTAL IMPACT REPORT

Department of Environmental Affairs, Ref. No.: 12/9/11/L612/8

PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE, PORT NOLLOTH

Background Information Document (BID) Handed Out - Sizamile

No.1	Name & Surname	Address	Tel/ Cell No:	Signature	Date
1	Anna Lefasa	2778 Staff street	073 0736846	A. Lefasa	3-6-2011
2	Abongile Malindi	2779 Staff street	-	A. Malindi	3-6-2011
3	Genina Bukher	2780 Staff street	078 7508305	Genina	3/6/2011
4	Nomhlumisa Xaba	2781 Staff street	-	-	3/6/2011
5	Not Present	2782 Staff street	-	-	3/6/2011
6	" "	2784 Staff street	-	-	3-6-2011
7	Mooem Jass	2786 Staff street	-	x M. Jass	3-6-2011
8	Not Present	2787 Staff street	-	-	3-6-2011
9	Mavis Kwinana	2788 Staff street	-	X. Kwin	3-6-2011
10	John Bless	2754 Staff street	-	-	3/6/2011
11	Not Present	2813 Staff "	-	-	3/6/2011
12	Not Present	2814 Staff "	-	-	3-6-2011
13	Wolke Maphaba Maphaba	2714 Staff "	-	x W. Maphaba	3-6-2011
14	Chwayitu Nkonu	2719 Staff "	-	x C. Nkonu	3-6-2011
15	Not Present	2720 Staff "	-	-	3-6-2011
16	Not Present	2722 Vukela street	-	-	3-6-2011
17	Not Present	2723 Vukela street	-	-	3/6/2011
18	Not Present	2726 Mabele street	-	-	3-6-2011
19	R. Dirhse	2321 Mt. Daba street	-	R. Dirhse	3-6-2011
20	Sherline Bluumun	2352 S. Yamile Mt. Daba street	-	S. Bluumun	3/6/2011
21	Sabila April	2353 Mt. Daba street	-	S. Bluumun	3/6/2011
22	Julia Losper	2380 Mt. Daba street	-	J. Losper	3-6-2011
23	Not Present	2381 Mt. Daba street	-	-	3-6-2011
24	++	++	-	++	-
25	++	++	-	++	-
26					

Appendix F.5

Background Information Document

ENVIRONMENTAL IMPACT ASSESSMENT
PUBLIC PARTICIPATION PROCESS: SCOPING & EIR
BACKGROUND INFORMATION DOCUMENT
PROPOSED SEWER OXIDATION PONDS AND
ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH



**Department of Environmental Affairs,
Reference No: 12/9/11/L612/8**

JUNE 2011

Background Information Document

Application for a Waste Management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

Notice is hereby given of a public participation process as defined in the environmental impact assessment (EIA) regulations made under section 24(5) of the National Environment Management Act 2008 (NEMA) (Act No. 107 of 1998).

1. Introduction

The upgrading of Port Nolloth's sewerage infrastructure is a key issue identified in the 2009 Richtersveld Integrated Development Plan. The provision of sanitation that is safe for users as well as the environment is recognised as one of the cornerstones in the effort to produce efficient service delivery. Sound infrastructure forms the backbone for proper long term provision of basic sanitation services.

The proposed project entails the construction of new sewer oxidation - and evaporation ponds approximately 500m east of Sizamile. The existing sewer ponds will be lined in order to be used as evaporation / irrigation ponds. The treated water will be used for irrigation at the municipal sports grounds.

ENVIRO LOGIC has been appointed by the Richtersveld Municipality as independent environmental assessment practitioners (EAP) to carry out the Environmental Impact Assessment process for the proposed project. This is required as the proposed project triggers several of the listed activities identified in the National Environmental Management: Waste Act, 2008 (No. 59 of 2008) that have, or are likely to have a detrimental effect on the environment. The process will investigate if there are any potential significant detrimental impacts to the receiving environment from the proposal. It will also provide an opportunity for the public and key role players to give input and participate in the process, as well as for specialist input on specific aspects.

An Application for a Waste Management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) was submitted to the Department of Environmental Affairs, Reference No.: 12/9/11/L612/8

2. Applicant & Consultants

The Applicant for the proposed development is the **Richtersveld Municipality, Port Nolloth**.

The Consulting Engineers are **BVi Consulting Engineers (Springbok)**.

An Archaeological Impact Assessment will be conducted by the **Agency for Cultural Resource Management (ACRM)**.

The Hydrogeologists are **SRK Consulting**.

The Environmental Assessment Practitioner ("EAP") is **Enviro Logic**.

3. Legal Processes

Before any development can occur, the applicant has to satisfy the requirements of several sets of legislation. The requirements of the National Environmental Management: Waste Act (No. 59 of 2008), the National Water Act (No. 36 of 1998) and the National Heritage Resources Act (No. 25 of 1999) will be satisfied simultaneously with this current EIA process.

4. Environmental Impact Assessment process for the proposed development

As authorisation applied for is in respect of activities listed in Categories A & B in schedule published under Section 19 (1) of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008), the application is subjected to a Scoping and EIA process.

Application for environmental authorisation to undertake the following activities:

Listed activities in terms of Government Notice No. 32368 dated 3 July 2009

Category A

Activity 3 (12)

The remediation of contaminated land.

Activity 3 (19)

The expansion of facilities of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or licence in terms of legislation governing the release of pollution, effluent or waste.

Category B

Activity 4 (1)

The storage including the temporary storage of hazardous waste in lagoons.

Activity 4 (2)

The reuse and recycling of hazardous waste

Activity 4 (5)

The treatment of hazardous waste using any form of treatment regardless of the size or capacity of such a facility to treat such waste.

Activity 4 (6)

The treatment of hazardous waste in lagoons.

Activity 4 (7)

The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.

Activity 4 (11)

The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

5. Project Proposal:

Alternative 1:

- Construction of new sewer oxidation ponds, with evaporation ponds.
- The lining of the existing sewer ponds to be used as evaporation / irrigation ponds.
- The construction of new in- and outlet structures to convey water from one pond to another.
- Installation of HDPE lining to prevent leakage from the ponds.

The lining of the existing sewer ponds to be used as evaporation / irrigation ponds.

- Installation of fencing around the new and existing ponds.
- The treated water will be used for irrigation at the municipal sports grounds.

Pipe line and connecting services:

An underground sewer pipeline (\pm 1,7 km) and a pump station will be constructed to connect the existing sewer pipeline and sewer ponds with the new sewer oxidation ponds.

Activities on site

Approximately 900m³/day sewage waste is pumped from different locations in Port Nolloth to the existing oxidation ponds. A pump station with a sump will be constructed at the inlet of these ponds and the sewage will be pumped to the new oxidation ponds. The inlet structures of the new ponds is located at ponds 1 & 2 (Anaerobic ponds). From here the sewage flows through pond 3 (primary pond), then through ponds 4&5 (secondary ponds). The evaporation ponds will consists of ponds 6,7,8,9 and the existing sewer ponds. A gravitational line will convey the treated sewage water from pond 9 to the existing sewer ponds. The existing ponds will be used as irrigation ponds from where the treated water will be pumped to the nearby sports grounds via an existing pipeline (See **Site Layout Plan**).

Alternative 2:

The upgrading of the existing sewage facility and related infrastructure.

Installation of HDPE lining in the existing sewer ponds that will be used as oxidation, evaporation and irrigation ponds. The ponds capacity will be increased to meet future demands. Installation of fencing around the ponds.

The "No-Go" alternative although always considered, will not be recommended as the existing sewer ponds do not meet legislative requirements.

Environmental issues can be identified by authorities, consultants, the applicant, or Interested and Affected Parties (I&APs) who may be individuals or groups that have either positive or negative comments to make regarding a proposed development. Any alternatives put forward through written comment by Interested and Affected Parties will be considered.

ENVIRO LOGIC has invited registration and comments of I&AP's through written means by advertisements placed in "Die Plattelander" of 3 June 2011 and "Die Namakwalander" of 3 June 2011. This Background Information Document will be made available to Interested and Affected Parties, which will include relevant statutory authorities and interest groups thus far identified.

6. Project Location

The town of Port Nolloth is situated in the Northern Cape and falls within the Richtersveld Municipal area. The current sewage ponds are located $\pm 160\text{m}$ east of Sizamile with the new sewage oxidation ponds $\pm 500\text{m}$ east of Sizamile. (Remainder Erf 516, Port Nolloth)

Coordinates:

	Latitude			Longitude		
New sewage oxidation ponds	29°	15'	23" S	16°	53'	40" E
Existing sewage ponds	29°	15'	31" S	16°	53'	15" E

7. Registration

To be registered as an interested and affected party (I&AP) please refer to the reference number above and send your name and contact details (preferred method of notification, e.g. E-mail address or fax number) and an indication of any direct business, financial, personal, or other interest which you have in the application to the under mentioned consultant. (See attached **Comment Sheet**.) Any names and contact details of Interested and Affected Parties would be appreciated and can be send to the under mentioned consultant.

All registered Interested and Affected Parties will be given an opportunity to comment on the draft & final Scoping report and Environmental Impact Report.

The closing date for registration as an interested and affected party (I&AP) is **Friday 8 July 2011**. Further information regarding the application can be obtained from the under mentioned consultant.

Consultant:

ENVIRO LOGIC

P.O. Box 3731

Tyger Valley

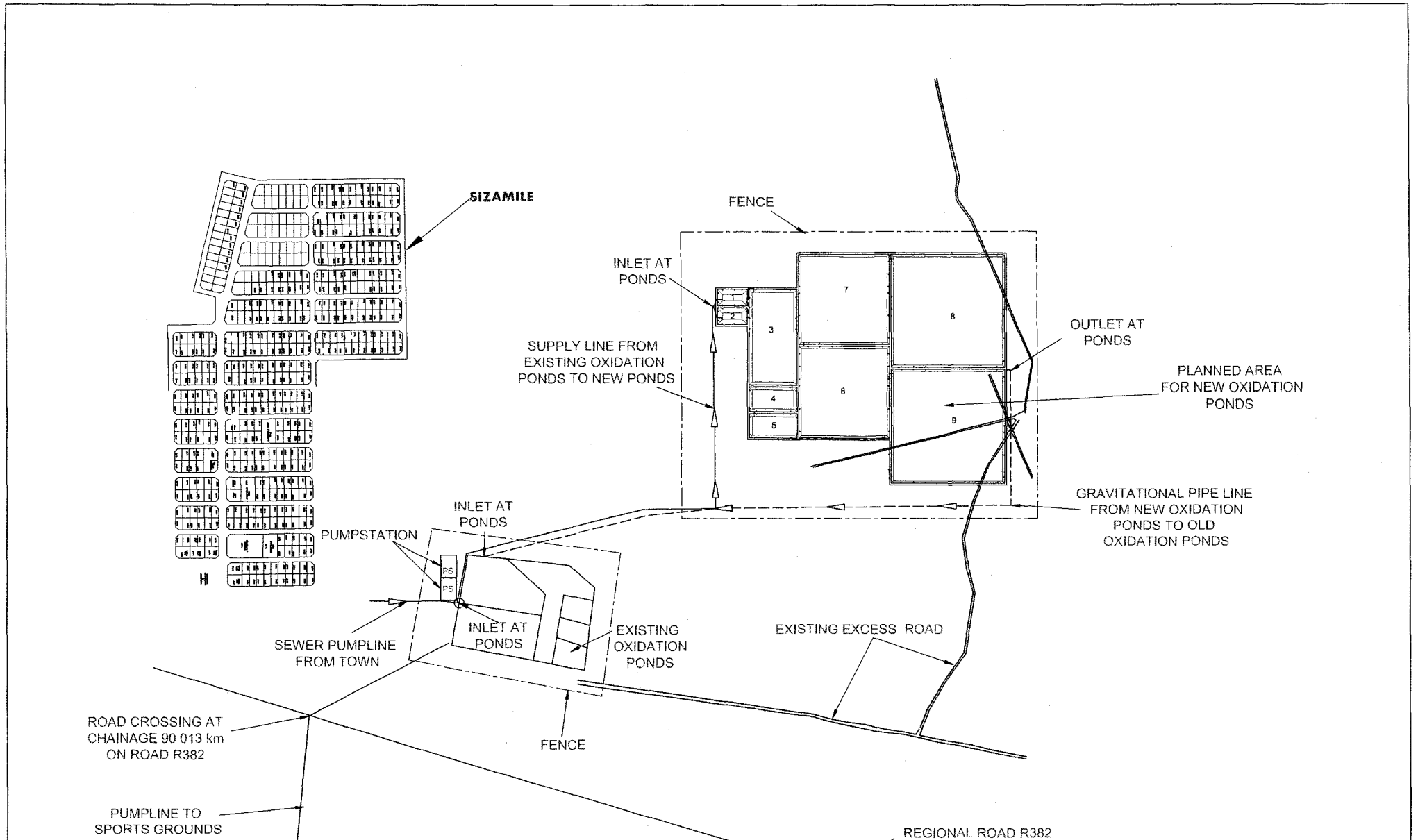
7536

Fax: (021) 919 4048

E-mail: gpec12@telkomsa.net

Contact person: Gert Pretorius Cell: 082 458 9844

Date: 3 June 2011



DATUM	VOORL. N./KODE	WYSIGINGS BESKRYWING

KLENT

RICHTERVELD MUNICIPALITY



bvi
 RAADGEWENDE INGENIEURS
 Siviele-, Strukturele-, & Elektriese Ingenieurs, Omgewing & Projekbestuur
 Registrasie n. 1000003407
 Kantoor of besoek area by www.bvi.co.za

Springbok
 NOORD KAAP

Need Kaap 8800000 Springbok 0000000000 (027) 715-0866 00000000000000000000 sp@bvi.co.za

PROJ. EK

PORT NOLLOTH OXIDATION PONDS

TEKENING TITEL

OXIDATION PONDS

INGENIEUR/TEGNOLOOG		REG. NR.	DATUM
SKAAL	1:6000	GETEKEN	D V DYK
ONTWERP	W.CLOETE	NAGESIEN	M.M
TEKENING NOMMER	S756C-130-01	WYSIGINGS NR	A
		DATUM GESTOOR	

COMMENT SHEET (BID)

PROPOSED SEWER OXIDATION PONDS PORT NOLLOTH

(Richtersveld Municipality)

Department of Environmental Affairs, Ref No.: 12/9/11/L612/8

Please complete the following details and Fax to (021) 919 4048 or mail to **ENVIRO LOGIC** (Port Nolloth), P.O.Box 3731, Tyger Valley, 7536 or E-mail: gpec12@telkomsa.net, to reach us before or on **Monday 4 July 2011**.

Name:

Organisation:

Address:

.....Postcode:.....

Phone number:

Cellphone number:

Fax number:

E-mail:

Date:

Should your details change during this process it is your responsibility to send us updated information.

How would you prefer to receive future project information?

Please tick the appropriate box: Post Fax E-mail

Do you have any direct interest in the approval or refusal of the proposed project by the environmental authorities? Please tick the appropriate box/es below.

BUSINESS/ FINANCIAL

Competing business Yes No

Neighbouring business Yes No

Potential employment opportunities Yes No

Service provision Yes No

PERSONAL

Neighbour to proposed project site Yes No

OTHER (please explain) Yes No

OMGEWINGSIMPAKBEPALING

**OPENBARE DEELNAMEPROSES: OMVANGBEPALING EN
OMGEWINGSIMPAKVERSLAG**

AGTERGRONDINLICHTINGSKODOKUMENT

**VOORGESTELDE RIOOL OKSIDASIE DAMME EN
VERWANTE INFRASTRUKTUUR, PORT NOLLOTH**



**Departement van Omgewingsake,
Verwysings Nr: 12/9/11/L612/8**

JUNIE 2011

Agtergrondinligtingsdokument

Aansoek vir 'n Afvalbestuurslisensie in terme van die Wet op Nasionale Omgewingsbestuur: Wet op Afval, 2008 (Wet Nr. 59 van 2008).

Kennis word hiermee gegee van 'n openbare deelname proses ingevolge die Omgewingsimpakbepalingsregulasies 2010 uitgevaardig in terme van artikel 24 (5) van die Wet op Nasionale Omgewingsbestuur, 2008 (Wet Nr. 107 van 1998).

1. Inleiding

Die opgradering van Port Nolloth se riool-infrastruktuur word as 'n belangrike kwessie identifiseer in die 2009 Richtersveld Geïntegreerde Ontwikkelingsplan. Die voorsiening van sanitasie wat veilig is vir gebruikers sowel as vir die omgewing word beklemtoon as een van die hoekstone in die poging om doeltreffende dienslewering te bewerkstellig. Geskikte infrastruktuur vorm die ruggraat vir die voldoende langtermyn verskaffing van basiese sanitasie dienste.

Die voorgestelde projek behels die konstruksie van nuwe riool oksidasie - en verdampings damme ongeveer 500m oos van Sizamile. Die bestaande damme sal uitgevoer word ten einde as verdampings / besproeiings damme te dien. Die behandelde water sal gebruik word vir besproeiing by die munisipale sport gronde.

ENVIRO LOGIC is deur die Richtersveld Munisipaliteit aangestel as die onafhanklike omgewings assesserings praktisyns om die Omgewingsimpakbepalingsproses te onderneem vir die voorgestelde projek. Dit word vereis omdat die voorgestelde projek verskeie gelyste aktiwiteite aktiveer wat in die Wet op Nasionale Omgewingsbestuur: Wet op Afval, 2008 (Wet Nr. 59 van 2008) geïdentifiseer is. Die proses sal bepaal of die voorgestelde projek enige betekenisvolle nadelige impak op die omliggende omgewing mag hê. Dit sal ook 'n geleentheid vir die publiek en sleutel rolspelers bied om insette te lewer en deel te neem aan die proses, sowel as vir spesialis insette oor spesifieke aspekte.

'n Aansoek vir 'n Afvalbestuurslisensie in terme van die Wet op Nasionale Omgewingsbestuur: Wet op Afval, 2008 (Wet Nr. 59 van 2008) is by die Departement van Omgewingsake ("D:EA") ingedien. Verwysingsnommer: 12/9/11/L612/8

2. Aansoeker & Konsultante

Die Aansoeker vir die voorgestelde ontwikkeling is die **Richtersveld Munisipaliteit, Port Nolloth**.

Die Raadgewende Ingenieurs is **BVi Raadgewende Ingenieurs (Springbok)**.

Die Spesialis Argeologiese konsultante is **Agency for Cultural Resource Management (ACRM)**.

The Hidrogeoloë is **SRK Raadgewend**.

Die Omgewingsbeoordelingspraktisyn is **Enviro Logic**.

3. Wetlike Prosesse

Voordat enige ontwikkeling aanvang kan neem, moet daar deur die Aansoeker aan verskeie wetlike vereistes voldoen word. Die vereistes van die Wet op Nasionale Omgewingsbestuur, Wet op Afval 2008 (Wet Nr. 59 van 2008), die Nasionale Waterwet, 1998 (Wet Nr. 36 van 1998) en die Nasionale Erfenishulpbronnwet, 1999 (Wet Nr. 25 van 1999) sal nagekom word tydens die huidige Omgewingsimpakbepalingsproses.

4. Omgewingsimpakbepalingsproses vir die voorgestelde ontwikkeling

Aangesien aansoek om magtiging gedoen word ten opsigte van aktiwiteite soos gelys in kategorieë A & B in skedule gepubliseer onder Artikel 19(1)) van die Wet op Nasionale Omgewingsbestuur: Afval Wet, 2008 (Wet Nr. 59 van 2008), is die aansoek onderhewig aan 'n Omvangsbepaling en Omgewingsimpakverslag proses.

Aansoek om omgewingsmagtiging om die volgende aktiwiteite te onderneem:
Gelyste aktiwiteite in terme van Goewermentskennisgewing Nr. 32368 gedateer 3 Julie 2009

Kategorie A

Aktiwiteit 3 (12)

Die herstel van besmette grond.

Aktiwiteit 3 (19)

Die uitbreiding van fasiliteite van/of veranderings tot bestaande fasiliteite vir enige proses of aktiwiteit, wat 'n wysiging van 'n bestaande permit of lisensie, of 'n nuwe permit of lisensie in terme van wetgewing wat die vrystelling van besoedeling, uitvloeisel of afval vereis.

Kategorie B

Aktiwiteit 4 (1)

Die stoor insluitend die tydelike berging van gevaarlike afval in damme.

Aktiwiteit 4 (2)

Die hergebruik en herwinning van gevaarlike afval.

Aktiwiteit 4 (5)

Die behandeling van gevaarlike afval deur middel van enige vorm van behandeling, ongeag die grootte of kapasiteit van so 'n fasiliteit om sodanige afval te behandel.

Aktiwiteit 4 (6)

Die behandeling van gevaarlike afval in damme.

Aktiwiteit 4 (7)

Die behandeling van uitvloeisel, afvalwater of rioolvuil met 'n jaarlikse deurvloei kapasiteit van 15 000 kubieke meter of meer.

Aktiwiteit 4 (11)

Die konstruksie van fasiliteite vir aktiwiteite wat in Kategorie B van hierdie Bylae (nie in isolasie tot verwante aktiwiteit) gelys is.

5. Projek Voorstel:

Alternatief 1:

- Konstruksie van nuwe riool oksidasie damme, met verdampings damme.
- Die konstruksie van die nuwe in-en uitlaat strukture om water van een dam na 'n ander te lei.
- Installering van "HDPE" voering om lekkasie van die damme te voorkom.
- Die voering van die bestaande riooldamme om gebruik te word as verdamping- / besproeiings damme.
- Oorig van omheinings by die nuwe en die bestaande riooldamme.
- Die behandelde water sal gebruik word vir besproeiing by die munisipale sport gronde.

Pyplyn en verbindings

'n Ondergrondse rioolpyplyn (\pm 1,7 km) en'n pompstasie sal opgerig word om die bestaande rioolpyplyn en riooldamme met die nuwe riool oksidasie damme te verbind.

Aktiwiteite op die terrein

Ongeveer 900m³/dag riool afval word gepomp vanaf verskillende plekke in Port Nolloth na die bestaande riool oksidasie damme. 'n Pompstasie met 'n rioolvuilput sal opgerig word by hierdie damme se inlaat en die riool sal gepomp word na die nuwe oksidasie damme. Die inlaat strukture van die nuwe riooldamme is geleë by damme 1 & 2 (Anaerobiese damme). Vanaf hier vloei die riool deur dam 3 (primêre dam), dan deur damme 4 & 5 (sekondêre damme). Die verdampings damme sal bestaan uit damme 6,7,8,9 en die bestaande riool damme. Die behandelde riool water sal vanuit dam 9 met 'n gravitasie pyplyn na die bestaande riooldamme vloei. Die bestaande riooldamme sal gebruik word as verdampings- / besproeiings damme van waar die behandelde water via 'n bestaande pyplyn gepomp word na die nabygeleë sportveld vir besproeiing (Sien **Terrein Uitlegplan**).

Alternatief 2:

Die opgradering van die bestaande riool fasiliteite en verwante infrastruktuur. Die installering van "HDPE" voering in die bestaande riooldamme wat as oksidasie, verdamping en besproeiings damme gebruik sal word. Die verhoging van die dam kapasiteit om aan toekomstige behoeftes te voldoen. Oprig van 'n omheining om die damme.

Alhoewel die "*Status quo*" (bestaande stelsel) alternatief altyd oorweeg word, sal dit nie aanbeveel word nie aangesien die bestaande riooldamme nie aan die wetlike vereistes voldoen nie.

Omgewingskwessies kan geïdentifiseer word deur owerhede, konsultante, die aansoeker, of Belanghebbende en Geaffekteerde Partye, wie individue of groepe mag wees en wie positiewe of negatiewe kommentaar ten opsigte van die voorgestelde ontwikkeling mag hê. Alternatiewe voorgestel deur middel van skriftelike kommentaar deur Belanghebbende en/ of Geaffekteerde partye sal oorweeg word.

Belanghebbende en Geaffekteerde Partye is deur middel van kennisgewings in die in "Die Plattelander" van 3 Junie 2011 en "Die Namakwalander" van 3 Junie 2011 deur *ENVIRO LOGIC* uitgenooi om te registreer en om skriftelik kommentaar te lewer op die voorgestelde ontwikkeling. Hierdie Agtergrondinligtingsdokument word beskikbaar gestel vir

Belanghebbende en Geaffekteerde Partye en sluit in relevante owerhede en belangegroepes wat tot dusver geïdentifiseer is.

6. Projek Ligging

Die dorp Port Nolloth is geleë in die Noord-Kaap en val binne die Richtersveld Munisipale gebied. Die bestaande rioldamme is ± 160m oos van Sizamile geleë met die nuwe riool oksidasie damme ± 500m oos van Sizamile. (Restant Erf 516 Port Nolloth)

Koördinate:

	Breedtegraad				Lengtegraad			
Nuwe riool oksidasie damme	29°	15'	23"	S	16°	53'	40"	O
Bestaande rioldamme	29°	15'	31"	S	16°	53'	15"	O

7. Registrasie

Om te registreer as 'n Belanghebbende en Geaffekteerde party moet u asseblief na bogenoemde verwysingsnommer verwys en u naam en kontakbesonderhede (voorkeurmethode van kennisgewing, bv E-pos adres of faksnommer) en 'n aanduiding van enige direkte sake-, finansiële, persoonlike, of ander belange wat u in dié aansoek het aan die ondergenoemde konsultant stuur (sien aangehegte **Kommentaarblad**). Enige name en kontakbesonderhede van moontlike Belanghebbende en Geaffekteerde Partye sal waardeur word en kan gestuur word na die ondergenoemde konsultant.

Alle geregistreerde Belanghebbende en Geaffekteerde Partye sal geleentheid gegee word om kommentaar te lewer op die konsep en finale Omvangsbepaling en Omgewingsimpakverslag

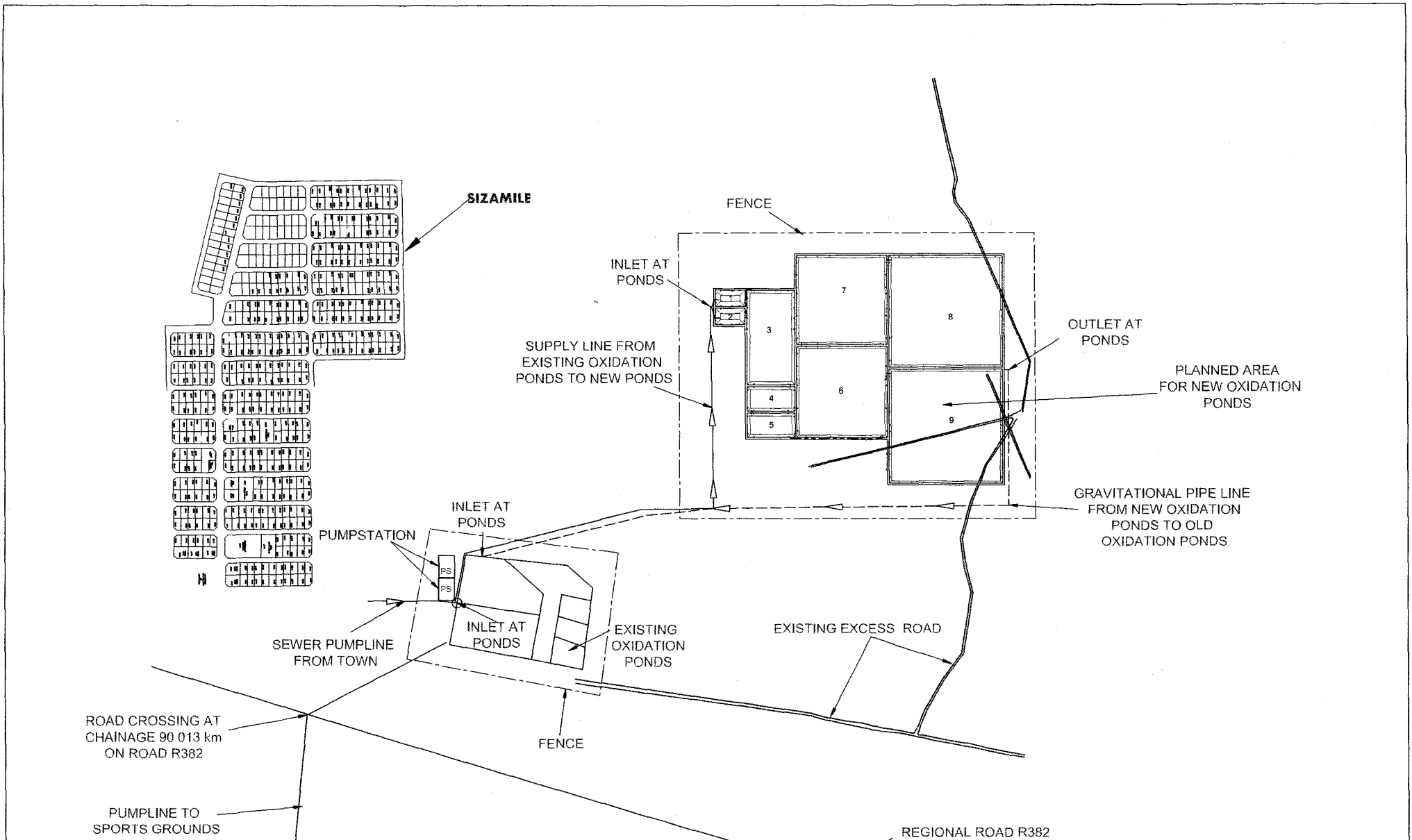
Die sluitingsdatum vir registrasie as 'n Belanghebbende en Geaffekteerde Party is **Vrydag 8 Julie 2011**. Verdere inligting rakende die aansoek kan verkry word by die ondergenoemde konsultant.

Konsultant:
ENVIRO LOGIC (Port Nolloth)
Posbus 3731
Tygervallei
7536

Faks: (021) 919 4048

E-pos: gpec12@telkomsa.net
Kontakpersoon: Gert Pretorius Sel: 082 458 9844

Datum: 3 Junie 2011



DATUM	VOORL. N./KODE	WYSIGINGS BESKRYWING
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.

KLENT

RICHTERVELD MUNICIPALITY



bvi
RAADGEWENDE INGENIEURS
Siviele-, Strukturele-, & Elektrele Ingenieurs, Omgewing & Projektbestuur
Kontak of bestel ons by www.bvi.co.za

Springbok
NOORD KAAP

Almond Kloof 42222222 Springbok 0271-512-0000 0271-512-0000 0271-512-0000 0271-512-0000 0271-512-0000 0271-512-0000

PROJEK

PORT NOLLOTH OXIDATION PONDS

TEKENING TITEL

OXIDATION PONDS

GOEDGEKEUR DEUR BVI		
INGENIEUR/TEGNOLOOG	REG. NR.	DATUM
SKAAL	1:6000	GETEKEN
ONTWERP	W.CLOETE	NAGESKEN
TEKENING NOMMER	WYSIGINGS NR	DATUM GESTOOR
S756C-130-01	A	

KOMMENTAARBLAD (AID)

VOORGESTELDE RIOOL OKSIDASIEDAMME PORT NOLLOTH

(Munisipaliteit Richtersveld)

Departement van Omgewingsake, Verwysings Nr: 12/9/11/L612/8

Voltooi asseblief en faks aan 021- 919 4048 óf pos dit aan **ENVIRO LOGIC** (Port Nolloth), Posbus 3731, Tygervallei, 7536 óf E-pos: gpec12@telkomsa.net, om ons te bereik voor of op **Maandag 4 Julie 2011.**

Naam:.....

Organisasie:.....

Posadres:.....

.....**Poskode:**

Telefoonnommer:

Selfoonnommer:

Faksnommer:

E-pos:

Datum:.....

Sou u kontak besonderhede gedurende die Omgewingsimpakproses verander, is dit u verantwoordelikheid om die opgedateerde inligting aan ENVIRO LOGIC te voorsien.

Hoe sal u verkies om inligting oor die projek in die toekoms te ontvang?

Merk asseblief die toepaslike blok: Pos Faks E-pos

Het u enige direkte belange in die goedkeuring of afkeuring van die voorgestelde projek deur die betrokke omgewingsowerhede? Merk asseblief die toepaslike blok hieronder.

BESIGHEID/ FINANSIEËL

Kompeterende Besigheid Ja Nee

Aangrensende besigheid Ja Nee

Potentiële werkseleenthede Ja Nee

Dienste voorsiening Ja Nee

PERSOONLIK

Aangrensend tot projek terrein Ja Nee

ANDER (verduidelik asseblief) Ja Nee

Bykomende inligting

Meld asseblief enige ander belangepartye wat volgens u mening gekontak moet word (Voorsien asseblief hulle volle kontak besonderhede en wie hulle verteenwoordig)

Meld asseblief enige kommentaar, kwessies of besorghede.

(Inligting sal in 'n Kommentaar – en Antwoordverslag opgeneem word waarin antwoorde verskaf sal word. U kan bladsye aanheg indien u meer spasie nodig het)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Indien u enige navrae het kontak asseblief **ENVIRO LOGIC**

Appendix F.6

Cover Letters BID and Acknowledgement

3 June 2011

The Municipal Manager
Richtersveld Municipality
Main Road
Port Nolloth

Dear Sir/ Ms,

**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for **public inspection**.

Will you please keep the copy in the office until **Friday 8 July 2011**.

Thank you.

Yours sincerely,


Gert Pretorius
(Pr.Sci.Nat.)

Received: *M. Hallis*

Date: *03/06/2011*

3 June 2011

Port Nolloth Public Library
Robson street
Port Nolloth

Dear Sir/ Ms,

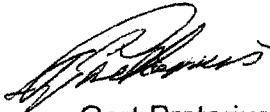
**PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE,
PORT NOLLOTH**

Attached please find a copy of the Background Information Document for **public inspection**.

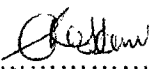
Will you please keep the copy in the office until **Friday 8 July 2011**.

Thank you.

Yours sincerely,



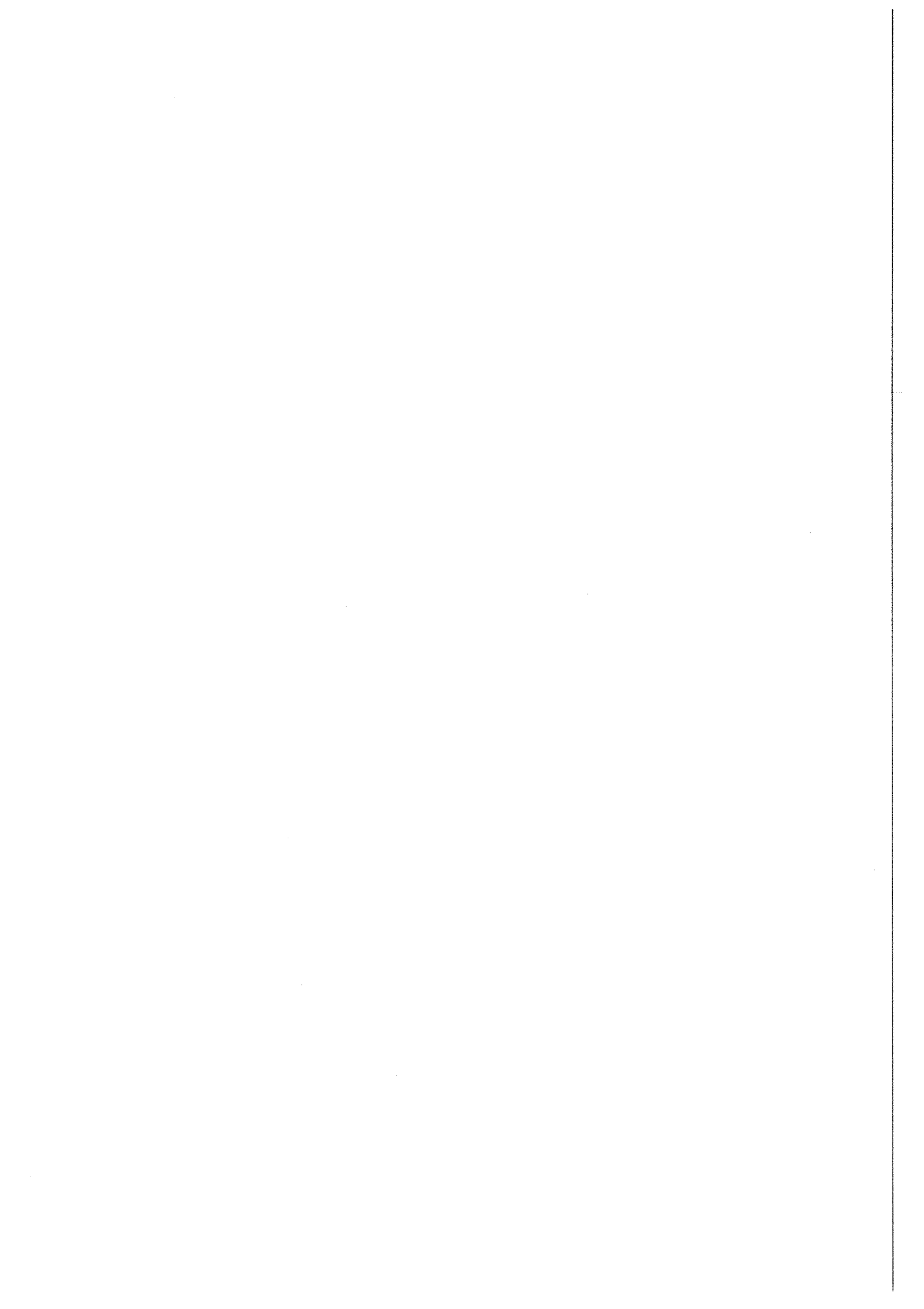
Gert Pretorius
(Pr.Sci.Nat.)

Received: 

Date: 03/06/2011

Appendix F.7

Registered I&APs



Appendix F.8

**Comment & Response Report
(First Round of Public Participation)**

SCOPING & EIA: PROPOSED SEWER OXIDATION PONDS, PORT NOLLOTH

REMAINDER ERF 516, PORT NOLLOTH

SCOPING & EIR ISSUES/ COMMENTS & RESPONSES (BID: First Round of Public Participation) (Issues Trail)			
ISSUE / COMMENT RAISED	COMMENTATOR / S	SOURCE	RESPONSE
PROJECT			
"Geen kommentaar op die oomblik nie, maar sal net graag 'n afskrif van die finale impakstudie besonderhede wil bekom"	F. C. Rust, Chairman, Richtersveld Municipality, Ratepayers Association	Fax/ Comment Sheet (BID) dated 4 July 2011	Noted. Copies of draft and final reports will be made available to registered I&APs for comment.
HERITAGE ASSESSMENT			
"... the developer to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components." "A Palaeontological Impact Assessment is also requested. If there is no significant site the specialist may choose to send a letter to the heritage authority to indicate that there is no necessity for any assessment."	Dr. M. Galimberti, APM Unit, South African Heritage Resources Agency (SAHRA), Cape Town.	Letter 9/2/066/0003 dated 8 July 2011	ACRM has been appointed to conduct an Archaeological Impact Assessment. Subsequent to a site visit ACRM will follow up with a Palaeontologist regarding need for a Palaeontological assessment.

KOMMENTAARBLAD (AID)**VOORGESTELDE RIOOL OKSIDASIEDAMME PORT NOLLOTH**

(Munisipaliteit Richtersveld)

Departement van Omgewingsake Verwysings Nr: 12/9/11/L612/8

Voltooi asseblief en faks aan 021- 919 4048 óf pos dit aan **ENVIRO LOGIC** (Port Nolloth),
 Posbus 3731, Tygervallei, 7536 óf E-pos: gpec12@telkomsa.net, om ons te bereik voor of op
Vrydag 8 Julie 2011.

Naam:..... FC RUST (VOORSITTER).....

Organisasie:..... RICHTERSVELD MUNISIPALE BELASTING BETALERSVERENIGING.....

Posadres:..... POSBUS 443.....

..... PORT NOLLOTH..... Poskode:..... 8280.....

Telefoonnommer:..... 027 851 7762.....

Selfoonnommer:..... 082 871 7724.....

Faksnommer:..... 027 851 7835.....

E-pos:..... fcrust@telkomsa.net.....

Datum:..... 04-07-2011.....

Sou u kontak besonderhede gedurende die Omgewingsimpakproses verander, is dit u verantwoordelikheid om die opgedateerde inligting aan ENVIRO LOGIC te voorsien.

Hoe sal u verkies om inligting oor die projek in die toekoms te ontvang?

Merk asseblief die toepaslike blok: Pos Faks E-pos

Het u enige direkte belange in die goedkeuring of afkeuring van die voorgestelde projek deur die betrokke omgewingsowerhede? Merk asseblief die toepaslike blok hieronder.

BESIGHEID/ FINANSIEËL

Kompeterende Besigheid Ja Nee

Aangrensende besigheid Ja Nee

Potentiële werksgeleentheid Ja Nee

Dienste voorsiening Ja Nee

PERSOONLIK

Aangrensend tot projek terrein Ja Nee

ANDER (verduidelik asseblief)..... Ja Nee

Bykomende inligting

Meld asseblief enige ander belangepartye wat volgens u mening gekontak moet word (Voorsien asseblief hulle volle kontak besonderhede en wie hulle verteenwoordig)

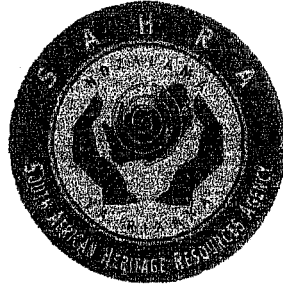
Meld asseblief enige kommentaar, kwessies of besorghede.

(Inligting sal in 'n Kommentaar - en Antwoordverslag opgeneem word waarin antwoorde verskaf sal word. U kan bladsye aanheg indien u meer spasie nodig het)

.....
Geen kommentaar op die oomblik nie, maar sal net graag 'n afskrif van die finale impakstudie besonderhede wil bekom.
.....

.....
Baie dankie.
.....

Indien u enige navrae het kontak asseblief **ENVIRO LOGIC**



SOUTH AFRICAN HERITAGE RESOURCES AGENCY
111 HARRINGTON STREET, CAPE TOWN, 8000
PO BOX 4637, CAPE TOWN, 8000
TEL: (021) 462 4502 FAX: (021) 462 4509

DATE: 8 July 2011
ENQUIRIES: Dr Mariagrazia Galimberti
Archaeology, Palaeontology and Meteorite Unit
E-mail: mgalimberti@sahra.org.za
Web site: www.sahra.org.za

OUR REF: 9/2/066/0003

Mr Gert Pretorius
Enviro Logic
PO Box 3731
Tyger Valley
7536

Dear Mr Pretorius,

RE: BID - PROPOSED SEWER OXIDATION POINTS AND ASSOCIATED INFRASTRUCTURE, PORT NOLLOTH

Thank you for your indication that development is to take place in this area.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components.

At page 3 of the Background Information Document it is stated that an Archaeological Impact Assessment is already planned for this project. Please note that a Palaeontological Impact Assessment is also requested. If there is no significant site the specialist may choose to send a letter to the heritage authority to indicate that there is no necessity for any assessment.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Yours sincerely

A handwritten signature in black ink, appearing to read 'M. Galimberti'. The signature is fluid and cursive, with the first letter 'M' being particularly large and stylized.

PP Mrs Nonofho Ndobochani
SAHRA: Archaeology, Palaeontology and Meteorite Unit
For: CHIEF EXECUTIVE OFFICER

Copy: PHRA Northern Cape Office

Appendix G

SAHRA
Letter dated 8 July 2011





SOUTH AFRICAN HERITAGE RESOURCES AGENCY
111 HARRINGTON STREET, CAPE TOWN, 8000
PO BOX 4637, CAPE TOWN, 8000
TEL: (021) 462 4502 FAX: (021) 462 4509

DATE: 8 July 2011
ENQUIRIES: Dr Mariagrazia Galimberti
Archaeology, Palaeontology and Meteorite Unit
E-mail: mgalimberti@sahra.org.za
Web site: www.sahra.org.za

OUR REF: 9/2/066/0003

Mr Gert Pretorius
Enviro Logic
PO Box 3731
Tyger Valley
7536

Dear Mr Pretorius,

**RE: BID - PROPOSED SEWER OXIDATION POINTS AND ASSOCIATED
INFRASTRUCTURE, PORT NOLLOTH**

Thank you for your indication that development is to take place in this area.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components.

At page 3 of the Background Information Document it is stated that an Archaeological Impact Assessment is already planned for this project. Please note that a Palaeontological Impact Assessment is also requested. If there is no significant site the specialist may choose to send a letter to the heritage authority to indicate that there is no necessity for any assessment.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'M Galimberti'.

PP Mrs Nonofho Ndobochani
SAHRA: Archaeology, Palaeontology and Meteorite Unit
For: CHIEF EXECUTIVE OFFICER

Copy: PHRA Northern Cape Office

Appendix H

NEMA Principals

CHAPTER 1
NATIONAL ENVIRONMENTAL MANAGEMENT PRINCIPLES

2. Principles

(1) The principles set out in this section apply throughout the Republic to the actions of all organs of state that may significantly affect the environment and -

(a) shall apply alongside all other appropriate and relevant considerations, including the State's responsibility to respect, protect, promote and fulfill the social and economic rights in Chapter 2 of the Constitution and in particular the basic needs of categories of persons disadvantaged by unfair discrimination;

(b) serve as the general framework within which environmental management and implementation plans must be formulated;

(c) serve as guidelines by reference to which any organ of state must exercise any function when taking any decision in terms of this Act or any statutory provision concerning the protection of the environment;

(d) serve as principles by reference to which a conciliator appointed under this Act must make recommendations; and

(e) guide the interpretation, administration and implementation of this Act, and any other law concerned with the protection or management of the environment.

(2) Environmental management must place people and their needs at the forefront of its concern, and serve their physical, psychological, developmental, cultural and social interests equitably.

(3) Development must be socially, environmentally and economically sustainable.

(4) (a) Sustainable development requires the consideration of all relevant factors including the following:

(i) That the disturbance of ecosystems and loss of biological diversity are avoided, or, where they cannot be altogether avoided, are minimised and remedied;

(ii) that pollution and degradation of the environment are avoided, or, where they cannot be altogether avoided, are minimised and remedied;

(iii) that the disturbance of landscapes and sites that constitute the nation's cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied;

(iv) that waste is avoided, or where it cannot be altogether avoided, minimised and reused or recycled where possible and otherwise disposed of in a responsible manner;

(v) that the use and exploitation of non-renewable natural resources is responsible and equitable, and takes into account the consequences of the depletion of the resource;

(vi) that the development, use and exploitation of renewable resources and the ecosystems of which they are part do not exceed the level beyond which their integrity is jeopardised;

(vii) that a risk-averse and cautious approach is applied, which takes into account the limits of current knowledge about the consequences of decisions and actions; and

(viii) that negative impacts on the environment and on people's environmental rights be anticipated and prevented, and where they cannot be altogether prevented, are minimised and remedied.

(b) Environmental management must be integrated, acknowledging that all elements of the environment are linked and interrelated, and it must take into account the effects of decisions on all aspects of the environment and all people in the environment by pursuing the selection of the best practicable environmental option.

- (c) Environmental justice must be pursued so that adverse environmental impacts shall not be distributed in such a manner as to unfairly discriminate against any person, particularly vulnerable and disadvantaged persons.
- (d) Equitable access to environmental resources, benefits and services to meet basic human needs and ensure human wellbeing must be pursued and special measures may be taken to ensure access thereto by categories of persons disadvantaged by unfair discrimination.
- (e) Responsibility for the environmental health and safety consequences of a policy, programme, project, product, process, service or activity exists throughout its life cycle.
- (f) The participation of all interested and affected parties in environmental governance must be promoted, and all people must have the opportunity to develop the understanding, skills and capacity necessary for achieving equitable and effective participation, and participation by vulnerable and disadvantaged persons must be ensured.
- (g) Decisions must take into account the interests, needs and values of all interested and affected parties, and this includes recognising all forms of knowledge, including traditional and ordinary knowledge.
- (h) Community wellbeing and empowerment must be promoted through environmental education, the raising of environmental awareness, the sharing of knowledge and experience and other appropriate means.
- (i) The social, economic and environmental impacts of activities, including disadvantages and benefits, must be considered, assessed and evaluated, and decisions must be appropriate in the light of such consideration and assessment.
- (j) The right of workers to refuse work that is harmful to human health or the environment and to be informed of dangers must be respected and protected.
- (k) Decisions must be taken in an open and transparent manner, and access to information must be provided in accordance with the law.
- (l) There must be intergovernmental coordination and harmonisation of policies, legislation and actions relating to the environment.
- (m) Actual or potential conflicts of interest between organs of state should be resolved through conflict resolution procedures.
- (n) Global and international responsibilities relating to the environment must be discharged in the national interest.
- (o) The environment is held in public trust for the people, the beneficial use of environmental resources must serve the public interest and the environment must be protected as the people's common heritage.
- (p) The costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling or minimising further pollution, environmental damage or adverse health effects must be paid for by those responsible for harming the environment.
- (q) The vital role of women and youth in environmental management and development must be recognised and their full participation therein must be promoted.
- (r) Sensitive, vulnerable, highly dynamic or stressed ecosystems, such as coastal shores, estuaries, wetlands, and similar systems require specific attention in management and planning procedures, especially where they are subject to significant human resource usage and development pressure.

[National Environmental Management Act (Act No 107 of 1998) (NEMA)]

Proposed Plan of Study for EIA

Appendix I

ENVIRONMENTAL IMPACT ASSESSMENT

PROPOSED PLAN OF STUDY FOR EIA

PROPOSED SEWER OXIDATION PONDS AND ASSOCIATED INFRASTRUCTURE, PORT NOLLOTH

**Department of Environmental Affairs, Reference No: 12/9/11/L612/8
October 2011**

CONTENTS

1. INTRODUCTION	2
2. DESCRIPTIONS OF TASKS TO BE UNDERTAKEN AS PART OF EIA PROCESS	2
2.1 Continued Liaison with Relevant Authorities and Other I&APs	2
2.2 Completion of Proposed Specialist Studies	2
2.3 Assessment of Potential Environmental Impacts Identified	3
2.4 Compilation of EIA Report	3
3. PROPOSED METHOD OF ASSESSING ENVIRONMENTAL ISSUES AND ALTERNATIVES	3
4. PROPOSED PUBLIC PARTICIPATION PROCESS	5
4.1 Continued Liaison and Correspondence with I&APs	5
4.2 Opportunity to Comment on Draft EIA Report	5
4.3 Opportunity to Appeal	6
5. PROPOSED PROGRAMME AND ANTICIPATED STAGES AT WHICH COMPETENT AUTHORITY WILL BE CONSULTED	6
6. CONCLUSIONS	6

1. INTRODUCTION

The Draft Scoping Report, compiled by **ENVIRO LOGIC** (October 2011) for the *Proposed Sewer Oxidation Ponds and Associated Infrastructure at Port Nolloth*, contains a description of the proposed project and its background. This "*Proposed Plan of Study for Environmental Impact Assessment (EIA)*" has been compiled in terms of the requirements of Government Notice No. R. 543 (dated 18 June 2010), regulation 28 (1) (n) and (o) published in terms of National Environmental Management Act, 1998 (Act No. 107 of 1998),

A scoping report must include –

(n) a plan of study for environmental impact assessment which sets out the proposed approach to the environmental impact assessment of the application, which must include –

(i) a description of the tasks that will be undertaken as part of the environmental impact assessment process, including any specialist reports or specialised processes, and the manner in which such tasks will be undertaken;

(ii) an indication of the stages at which the competent authority will be consulted;

(iii) a description of the proposed method of assessing the environmental issues and alternatives, including the option of not proceeding with the activity; and

(iv) particulars of the public participation process that will be conducted during the environmental impact assessment process; and

(o) any specific information required by the competent authority.

This Plan of Study for EIA outlines the anticipated process and products for the EIA phase of the environmental authorisation process. The purpose of this document is to ensure that the next phase of the EIA process satisfies the requirements of the National Department of Environmental Affairs (D: EA).

2. DESCRIPTION OF TASKS TO BE UNDERTAKEN AS PART OF EIA PROCESS

(The proposed tasks to be undertaken as part of the EIA process are described in **Sections 2.2 to 2.4**, below.)

2.1 Continued Liaison with Relevant Authorities and Other I&APs

Liaison with relevant Authorities and with other Interested & Affected Parties (I&APs) will continue throughout the EIA phase of the environmental authorisation process, as initiated during the Draft Scoping phase. This liaison will be conducted as part of the proposed Public Participation Process (see **Section 4**, below). It will be focussed on the currently registered I&APs, but will also include any I&APs that register during the EIA phase.

2.2 Completion of Proposed Specialist Studies

In light of the potential environmental impacts identified during the scoping phase, the following specialist studies are proposed:

- An Archaeological assessment of the proposed site.
- A Geohydrological assessment of the proposed site.

The above-mentioned specialist studies and tasks will be completed during the EIA phase and synthesised into the EIA Report to be compiled. The full reports will be attached to the EIA as appendices.

2.3 Assessment of Potential Environmental Impacts Identified

The Scoping Report describes the potential environmental impacts associated with the proposed project. Potentially environmental impacts will be identified in the Scoping Report for further investigation during the EIA phase.

The above impacts will be assessed, together with any other potentially significant impacts identified during the EIA phase, using the proposed methods set out in **Section 3**. The assessment will compare the preferred alternative to other alternatives that were considered (i.e. alternative sites), using the "no-go" alternative as the baseline against which to measure the significance of potential positive and negative impacts. It will be informed by the findings of the specialist studies, professional judgement, and comment from authorities and the registered I&APs.

2.4 Compilation of EIA Report

An Environmental Impact Assessment (EIA) Report will be compiled to summarise the findings of the EIA phase of the investigation. This report will first be prepared as a draft version, which will be submitted to the competent Authority (D: EA) and which will be made available to all registered I&APs for comment. All comments on the Draft EIA Report received from I&APs will be addressed in the Final EIA Report. The Final EIA Report will be made available to registered I&APs for comment. All comments on the Final EIA Report received from registered I&APs will be consolidated into an Appendix of the Final EIA Report to be submitted to the D: EA for a decision to be made as to whether environmental authorisation/ Waste Management Licence should be granted for the proposed project. The purpose of the EIA Report would be to undertake a comparative assessment of the significance of the potential environmental impacts for alternatives. The report will include the following information:

- A detailed description of the proposed project.
- A description of the property on which the activity is to be undertaken, as well as the location of the activity on the property.
- A description of the affected environment.
- A description of the public participation process conducted and the main issues that was raised.
- An assessment of the significance of the potential environmental impacts of each alternative (using the proposed methods outlined in **Section 3**).
- An overview of proposed and recommended mitigation measures, including an indication of how these would influence the significance of any potential environmental impacts. These mitigation measures would be informed by the specialist studies, professional experience and comments received from I&APs.
- A description of the need for and desirability of the proposed activity.
- A comparative assessment of alternatives
- A description of any assumptions, uncertainties or gaps in knowledge.
- An environmental impact statement.
- Copies of all relevant specialist reports.
- Environmental Management Programme.

3. PROPOSED METHOD OF ASSESSING ENVIRONMENTAL ISSUES AND ALTERNATIVES

This section outlines the proposed method for assessing the significance of the potential environmental impacts identified, including both operational and construction phase impacts.

For each impact, the EXTENT (spatial scale), MAGNITUDE and DURATION (time scale) will be described. These factors will then be used to ascertain the SIGNIFICANCE of the impact; both with and without the proposed/recommended mitigation measures in place (the mitigation described in the EIA Report would represent the full range of plausible and pragmatic measures). Table 1, below, describes proposed criteria to be used to evaluate these variables, and defines the proposed rating categories.

Table 1: Proposed assessment criteria for the evaluation of impacts

CRITERIA	CATEGORY	DESCRIPTION
Extent or spatial influence of impact	Regional	Beyond 5 km of the proposed development
	Local	Within 5 km of the proposed development
	Site specific	On site or within 100 m of the site boundary
Magnitude of impact (at the indicated spatial scale)	High	Natural and/or social functions and/or processes are <i>severely</i> altered
	Medium	Natural and/or social functions and/or processes are <i>notably</i> altered
	Low	Natural and/or social functions and/or processes are <i>slightly</i> altered
	Very low	Natural and/or social functions and/or processes are <i>negligibly</i> altered
	Zero	Natural and/or social functions and/or processes remain <i>unaltered</i>
Duration of impact	Construction	Up to 2 years
	Short term	0–5 years (after construction)
	Medium term	5–15 years (after construction)
	Long term	More than 15 years (after construction)

The SIGNIFICANCE of an impact is derived by taking into account the assessed extent, magnitude and duration of each identified impact. The proposed means of arriving at the different significance ratings is explained in Table 2, below.

Table 2: Definition of proposed significance ratings

SIGNIFICANCE RATINGS	CRITERIA
High	High magnitude with a regional extent and long term duration; OR High magnitude with either a regional extent and medium term duration or a local extent and long term duration; OR Medium magnitude with a regional extent and long-term duration.
Medium	High magnitude with a local extent and medium term duration; OR High magnitude with a regional extent and short term duration or a site specific extent and long term duration; OR High magnitude with either a local extent and short term duration or a site specific extent and medium term duration; OR Medium magnitude with any combination of extent and duration except site specific and short term or regional and long term; OR Low magnitude with a regional extent and long term duration.
Low	High magnitude with a site specific extent and short term duration; OR Medium magnitude with a site specific extent and short term duration; OR Low magnitude with any combination of extent and duration except site specific and short term; OR

	Very low magnitude with a regional extent and long term duration.
Very low	Low magnitude with a site specific extent and short term duration; OR Very low magnitude with any combination of extent and duration except regional and long term.

Once the significance of an impact has been determined, the PROBABILITY of this impact occurring as well as the CONFIDENCE in the assessment of the impact will be determined using the proposed rating systems outlined in **Tables 3 and 4**, below, respectively. It is important to note that the significance of an impact should always be considered in concert with the probability of that impact occurring.

Table 3: Definition of proposed probability ratings

PROBABILITY RATINGS	CRITERIA
Definite	Estimated greater than 95 % chance of the impact occurring
Possible	Estimated 5 to 95 % chance of the impact occurring
Unlikely	Estimated less than 5 % chance of the impact occurring

Table 4: Definition of proposed confidence ratings

CONFIDENCE RATINGS	CRITERIA
Certain	Wealth of information on and sound understanding of the environmental factors potentially influencing the impact
Sure	Reasonable amount of useful information on and relatively sound understanding of the environmental factors potentially influencing the impact
Unsure	Limited useful information on and understanding of the environmental factors potentially influencing this impact

As explained in **Section 2.3**, the assessment that is proposed to be undertaken will compare the preferred alternative to other alternatives (i.e. alternative sites), using the above Tables, with the “no-go” alternative as the baseline against which to measure the significance of potential impacts.

4. PROPOSED PUBLIC PARTICIPATION PROCESS

The purpose of the Public Participation Process is to provide I&APs with adequate opportunity to have input into the environmental process. The proposed Public Participation Process, after submission of the Final Scoping Report, entails the following:

4.1 Continued Liaison and Correspondence with I&APs

As explained in **Section 2.1**, liaison and correspondence with registered I&APs will be ongoing throughout the EIA process. Liaison and correspondence will be through written means, such as letters, fax and e-mail.

4.2 Opportunity to Comment on Draft EIA Report

Following the completion of the Draft EIA Report (refer to **Section 2.4**, above), a copy of the report will be submitted to the D: EA and will be made available to Registered I&APs. I&APs will be given a 40-day period in which to comment on the Draft EIA Report.

All comments on the Draft EIA Report received from I&APs will be addressed in the Final EIA Report. The draft report will be revised in light of the feedback from the public, if necessary. The Final EIA Report will be made available to Registered I&APs. Registered I&APs will be given a 21-day period in which to comment

on the Final EIA Report. All comments on the Final EIA Report received from registered I&APs will be consolidated into an Appendix of the Final EIA Report to be submitted to the D: EA.

4.3 Opportunity to Appeal

All registered I&APs will be notified in writing by the Applicant of the outcome of the application, reasons for the decision and that an appeal may be lodge against the decision. A similar notice will also be placed in a local newspaper.

5. PROPOSED PROGRAMME AND ANTICIPATED STAGES AT WHICH COMPETENT AUTHORITY WILL BE CONSULTED

It is anticipated that the Final Scoping Report will be submitted to the D: EA by mid December 2011. Once approval is obtained from the D: EA the EIA phase will be completed according to the approved, Plan of Study for EIA.

It is anticipated that the Draft EIA Report should be completed by end February 2012. After the 40- day commenting period, the EIA Report should be finalised. Registered I&APs will be given a 21-day period in which to comment on the Final EIA Report. The Final EIA Report should be submitted to the D: EA by mid May 2012. A decision should then be taken by the D: EA within 60 to 105 days of submission of the Final EIA Report.

The competent authority (i.e. D: EA) will be informed / consulted at the following stages:

- Upon submission of the Draft and Final Scoping Report (and Proposed Plan of Study for EIA);
- Upon submission of the Draft and Final EIA Report and Environmental Management Programme;
- Upon receiving comments or a decision on the Final EIA Report and EMPr (if necessary); and
- Upon notification of registered I&APs of the decision regarding the application.

6. CONCLUSION

ENVIRO LOGIC trust that the process outlined in this Plan of Study for EIA is fully compliant with the requirements of the National Environmental Management Act 107 of 1998.

