**BASIC ASSESSMENT REPORT**

<table>
<thead>
<tr>
<th>File Reference Number:</th>
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<tbody>
<tr>
<td>Application Number:</td>
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<tr>
<td>Date Received:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Project applicant:</th>
<th>Sedibeng Water Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business reg. no./ID. no.:</td>
<td></td>
</tr>
<tr>
<td>Contact person:</td>
<td>Ian Hasenjager</td>
</tr>
<tr>
<td>Postal address:</td>
<td>Private Bag X5 Balkfontein, Bothaville 9660</td>
</tr>
<tr>
<td>Telephone:</td>
<td>056 515 0282</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:ihasenjager@sedibengwater.co.za">ihasenjager@sedibengwater.co.za</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prepared by:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Environmental Assessment Practitioner/Firm:</th>
<th>EnviroAfrica CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business reg. no./ID. no.:</td>
<td>CK 97 46009/23</td>
</tr>
<tr>
<td>Contact person:</td>
<td>Inge Erasmus supervised by Bernard de Witt</td>
</tr>
<tr>
<td>Postal address:</td>
<td>P.O. Box 5367, Helderberg, 7135</td>
</tr>
<tr>
<td>Telephone:</td>
<td>021 851 1616</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:inge@enviroafrica.co.za">inge@enviroafrica.co.za</a>/admin@enviroafrica.co.za</td>
</tr>
<tr>
<td>Cell:</td>
<td>083 417 0800</td>
</tr>
<tr>
<td>Fax:</td>
<td>086 512 0154</td>
</tr>
</tbody>
</table>

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2014 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.

2. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.

3. Where applicable **tick** the boxes that are applicable or **black out** the boxes that are not applicable in the report.

4. An incomplete report may be returned to the applicant for revision.

5. The use of “not applicable” in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.

6. This report must be handed in at offices of the relevant competent authority as determined by each authority.

7. No faxed or e-mailed reports will be accepted.

8. The report must be compiled by an independent environmental assessment practitioner.

9. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.

10. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.
SECTION A: ACTIVITY INFORMATION

Has a specialist been consulted to assist with the completion of this section? Yes: [ ] No: [ ]

If YES, please complete form XX for each specialist thus appointed:
Any specialist reports must be contained in Appendix D.

1. ACTIVITY DESCRIPTION

Describe the activity, which is being applied for, in detail:

Proposed Spoil Sites for Namaqua Bulk Water Supply on Steinkopf Commonage, Remainder of Farm no. 22, Northern Cape.

During phase one of the Namakwa Bulk Water Supply Scheme Project, high volumes of concrete waste and rock waste emanating from the removal of the old 1976 pipeline and structures, including high volumes of leftover concrete waste from old pipeline upgrades, posed significant challenges for Department of Water and Sanitation (DWS) to find acceptable permanent disposal sites between Okiep and Steinkopf.

Phase Two of the project has commenced, however, the current approved concrete waste disposal site located at Steinkopf is nearing its end-use holding capacity.

With anticipated more high volumes of concrete waste emanating from Phase Two, the new pipeline construction necessitates the need to find new disposal sites located closer to the Phase Two construction site.

DWS has identified three (3) acceptable spoil dump sites located along the Henkries Road. Two (2) of these sites (BP3 and BP4) are existing, unrehabilitated borrow pits. It is proposed that these two unrehabilitated borrow pits be used for the disposal of useable spoil rock and waste concrete while at the same time rehabilitating these borrow pits. It is proposed that concrete and waste rock emanating from phase two of the pipeline be crushed into smaller chunks, these chunks will be layered in the existing borrow pits and be compacted and levelled. Clean excavation material with soil will be placed over the compacted concrete.

The third spoil dump site is not a borrow pit. It is proposed that soil be extracted at the site and be used for blanket and bedding material for Phase Two of the pipeline. Topsoil will be stored separately to use for rehabilitation. Concrete and waste rock emanating from phase two of construction of the pipeline will then be crushed after which it will be layered and compacted in the excavated area. Clean excavated material containing soil will be placed over the compacted concrete. Lastly, topsoil will be placed over the disturbed area to ensure the site is rehabilitated to its previous state.

The geographical coordinates of the proposed spoil sites are:

- Spoil dump site 3 (BP3): S29° 05’ 59.11” E17° 54’ 51.59”
  This site is located adjacent (North) to the Henkries road, about 5 km east of the N7, and about 3km from the Doringwater Booster Pump Station
• Spoil dump site 4 (BP4): S 28° 58’ 39.92” E 18° 05’ 50.42”  
  This site is located adjacent (East) to the Henkries Water Treatment Works.

• Spoil dump site 5: S 28° 56’ 15.04” E 18° 07’ 10.09”  
  This site is located adjacent (East) of the Henkries road and about 4km (South) of the Henkries Mond.

Government Notice 921 A (9)

NEM:WA Category A, Activity 9

The disposal of inert waste to land in excess of 25 tons, but not exceeding 25 000 tons. It is proposed that concrete waste from phase two of the new pipeline construction will be disposed of in proposed spoil dump sites located along the Henkries Road. After infilling these sites will be rehabilitated.

Machinery/vehicles:

Trucks will be used to transport concrete and waste rock to the three proposed sites. A TLB will be used to layer and compact crushed rock and concrete as well as placing clean excavated material with soil over the areas.

Access:

Access to the three proposed spoil dump sites will be via existing access routes.

Civil and Electrical Services:

No civil or electrical services is necessary.

Ablution facilities:

Ablution facilities provided for the Namakwa Regional Water Supply Scheme project will be utilised for this project as well. The EMPr should be followed for management and disposal of sewage.

2. FEASIBLE AND REASONABLE ALTERNATIVES

“alternatives”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

(a) the property on which or location where it is proposed to undertake the activity;
(b) the type of activity to be undertaken;
(c) the design or layout of the activity;
(d) the technology to be used in the activity;
(e) the operational aspects of the activity; and
(f) the option of not implementing the activity.

Describe alternatives that are considered in this application. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. The determination of whether site or activity (including different processes etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Paragraphs 3 – 13 below should be completed for each alternative.

3. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

List alternative sites, if applicable.

Alternative: Alternative S1\(^1\) (preferred or only site alternative)

<table>
<thead>
<tr>
<th align="right">Latitude (S):</th>
<th>Longitude (E):</th>
</tr>
</thead>
<tbody>
<tr>
<td align="right">29° 05' 17° 54'</td>
<td>Spoil dump site 3 (BP3)</td>
</tr>
<tr>
<td align="right">28° 58' 18° 05'</td>
<td>Spoil dump site 4 (BP4)</td>
</tr>
<tr>
<td align="right">28° 56' 18° 07'</td>
<td>Spoil dump site 5</td>
</tr>
</tbody>
</table>

Alternative S2 (if any)
N/A

Alternative S3 (if any)
N/A

In the case of linear activities:

Alternative:

<table>
<thead>
<tr>
<th align="right">Latitude (S):</th>
<th>Longitude (E):</th>
</tr>
</thead>
<tbody>
<tr>
<td align="right"></td>
<td></td>
</tr>
</tbody>
</table>

No Linear activities

Alternative S1 (preferred or only route alternative)

- Starting point of the activity
- Middle point of the activity
- End point of the activity

Alternative S2 (if any)

\(^1\) "Alternative S.." refer to site alternatives.
• Starting point of the activity
• Middle point of the activity
• End point of the activity

<p>| | | | |</p>
<table>
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</tbody>
</table>

Alternative S3 (if any)
• Starting point of the activity
• Middle point of the activity
• End point of the activity

For route alternatives that are longer than 500m, please provide an addendum with coordinates taken every 250 meters along the route for each alternative alignment.

4. PHYSICAL SIZE OF THE ACTIVITY

Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):  

**Alternative:**  
Alternative A1<sup>2</sup> (preferred activity alternative)

<table>
<thead>
<tr>
<th>Size of the activity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spoil dump site 3 (BP3): 7200 m²</td>
</tr>
<tr>
<td>Spoil dump site 4 (BP4): 9919 m²</td>
</tr>
<tr>
<td>Spoil dump site 5: 3339 m²</td>
</tr>
</tbody>
</table>

Alternative A2 (if any)  
Alternative A3 (if any)  
or, for linear activities:  

**Alternative:**  
Alternative A1 (preferred activity alternative)  

<table>
<thead>
<tr>
<th>Length of the activity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A no linear activities for the proposed development</td>
</tr>
</tbody>
</table>

Alternative A2 (if any)  
Alternative A3 (if any)  

Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):  

**Alternative:**  
Alternative A1 (preferred activity alternative)  

<table>
<thead>
<tr>
<th>Size of the site/servitude:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spoil dump site 3 (BP3): 7200 m²</td>
</tr>
<tr>
<td>Spoil dump site 4 (BP4): 9919 m²</td>
</tr>
<tr>
<td>Spoil dump site 5: 3339 m²</td>
</tr>
<tr>
<td>N/A m²</td>
</tr>
<tr>
<td>N/A m²</td>
</tr>
</tbody>
</table>

Alternative A2 (if any)  
Alternative A3 (if any)  

<sup>2</sup> “Alternative A..” refer to activity, process, technology or other alternatives.
5. **SITE ACCESS**

Does ready access to the site exist?  
If NO, what is the distance over which a new access road will be built 

Describe the type of access road planned:

Access to the three (3) proposed spoil dump sites will be via existing access routes.

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

6. **SITE OR ROUTE PLAN**

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document.

The site or route plans must indicate the following:

6.1 the scale of the plan which must be at least a scale of 1:500;
6.2 the property boundaries and numbers of all the properties within 50 metres of the site;
6.3 the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
6.4 the exact position of each element of the application as well as any other structures on the site;
6.5 the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
6.6 all trees and shrubs taller than 1.8 metres;
6.7 walls and fencing including details of the height and construction material;
6.8 servitudes indicating the purpose of the servitude;
6.9 sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
   ▪ rivers;
   ▪ the 1:100 year flood line (where available or where it is required by DWA);
   ▪ ridges;
   ▪ cultural and historical features;
   ▪ areas with indigenous vegetation (even if it is degraded or invested with alien species);
6.9 for gentle slopes the 1 metre contour intervals must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan; and
6.10 the positions from where photographs of the site were taken.

**Please refer to Appendix A for the locality map, Layout Plan, CBA Map and Vegetation Map**
7. **SITE PHOTOGRAPHS**

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this form. It must be supplemented with additional photographs of relevant features on the site, if applicable.

*Please refer to Appendix B for Site Photographs*

8. **FACILITY ILLUSTRATION**

A detailed illustration of the activity must be provided at a scale of 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

*Please refer to Appendix C for detailed images of the three proposed Spoil sites.*

9. **ACTIVITY MOTIVATION**

9(a) **Socio-economic value of the activity**

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<td>R</td>
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</table>

What is the expected capital value of the activity on completion?

What is the expected yearly income that will be generated by or as a result of the activity?

Will the activity contribute to service infrastructure?

Is the activity a public amenity?

How many new employment opportunities will be created in the development phase of the activity?

<p>| | |</p>
<table>
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<tr>
<th></th>
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<tbody>
<tr>
<td>YES</td>
<td>YES (indirectly)</td>
</tr>
</tbody>
</table>

No additional jobs will be created. This project is an extension of the Namakwa Bulk Water Supply Project from which workers will be appointed.

What is the expected value of the employment opportunities during the development phase?

What percentage of this will accrue to previously disadvantaged individuals?

How many permanent new employment opportunities will be created during the operational phase of the activity?

<p>| | |</p>
<table>
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<th></th>
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</thead>
<tbody>
<tr>
<td>R N/A</td>
<td>% N/A</td>
</tr>
</tbody>
</table>

No additional jobs will be created. This project is an extension of the Namakwa Bulk Water Supply Project from which workers will be appointed.

What is the expected current value of the employment opportunities during the first 10 years?

What percentage of this will accrue to previously disadvantaged individuals?
9(b) Need and desirability of the activity

Motivate and explain the need and desirability of the activity (including demand for the activity):

The current approved concrete waste disposal site located at Steinkopf is nearing its end-use holding capacity. It is anticipated that Phase Two of the Namakwa Bulk Water Supply Scheme will create high volumes of concrete and waste rock, thus the need exists to find a new spoil dump site closer to the phase two construction line.

Desirability can be equated to wise use of land. It is therefore proposed that the two proposed borrow pit sites (BP3 and BP4 on layout plans in Appendix A), left unrehabilitated be used as spoil sites. It is proposed that these borrow pits be rehabilitated using the concrete waste and rocks emanating from the removal of the old pipeline. By doing this the need for spoil dumps are met while at the same time rehabilitating the existing borrow pits, left unrehabilitated.

At the third proposed spoil site (BP5, as labelled on layout plans in Appendix A), sand will be extracted to be used for blanket and bedding material in phase 2 of the construction of the pipeline. This area will be rehabilitated using waste rock and concrete (which will be crushed, layered and compacted) emanating from the removal of the old pipeline. Clean excavated material with soil and topsoil will be placed over the disturbed area to facilitate the area to return to its previous state.

Indicate any benefits that the activity will have for society in general:

Society will indirectly benefit from the spoil sites as the visual character of the area will be improved if these borrow pits are rehabilitated. The community will also benefit from the water supply scheme.

Indicate any benefits that the activity will have for the local communities where the activity will be located:

Communities will indirectly benefit from the spoil sites as the visual character of the area will be improved if these borrow pits are rehabilitated. The community will also benefit from the water supply scheme.

**DESIRABILITY:**

<p>| | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Does the proposed land use / development fit the surrounding area?</td>
<td>YES</td>
</tr>
<tr>
<td>2.</td>
<td>Does the proposed land use / development conform to the relevant structure plans, SDF and planning visions for the area?</td>
<td>YES</td>
</tr>
<tr>
<td>3.</td>
<td>Will the benefits of the proposed land use / development outweigh the negative impacts of it?</td>
<td>YES</td>
</tr>
<tr>
<td>4.</td>
<td>If the answer to any of the questions 1-3 was NO, please provide further motivation / explanation:</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Will the proposed land use / development impact on the sense of place?</td>
<td>YES</td>
</tr>
<tr>
<td>6.</td>
<td>Will the proposed land use / development set a precedent?</td>
<td>NO</td>
</tr>
<tr>
<td>7.</td>
<td>Will any person’s rights be affected by the proposed land use / development?</td>
<td>NO</td>
</tr>
<tr>
<td>8.</td>
<td>Will the proposed land use / development compromise the “urban edge”?</td>
<td>NO</td>
</tr>
<tr>
<td>9.</td>
<td>If the answer to any of the question 5-8 was YES, please provide further motivation /</td>
<td></td>
</tr>
</tbody>
</table>
explanation.
Waste concrete and rock will be used to rehabilitate existing borrow pits which will impact the sense of place of the area in a positive way.

**BENEFITS:**

1. Will the land use / development have any benefits for society in general? YES

2. Explain:
Society will indirectly benefit from the spoil sites. Existing unrehabilitated borrow pits will be rehabilitated using the waste rock and concrete emanating from the removal of an old 1976 pipeline for phase two of the Namakwa Bulk Water Supply Scheme Project. The visual character of the environment will be enhanced.

3. Will the land use / development have any benefits for the local communities where it will be located? YES

4. Explain:
Communities will indirectly benefit as they will have an upgraded water supply system. Existing unrehabilitated borrow pits will be rehabilitated using the waste rock and concrete emanating from the removal of an old 1976 pipeline for phase two of the Namakwa Bulk Water Supply Scheme Project. Communities will also benefit as the visual character of the environment will be enhanced.

**10. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES**

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

<table>
<thead>
<tr>
<th>Title of legislation, policy or guideline:</th>
<th>Administering authority:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEM:WA GN921 Category A, Activity 9</td>
<td>DENC</td>
<td>10/07/2017</td>
</tr>
</tbody>
</table>

**11. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT**

11(a) Solid waste management
Will the activity produce solid construction waste during the construction/initiation phase? NO
If yes, what estimated quantity will be produced per month? m³
How will the construction solid waste be disposed of (describe)?
For clarification: This application is for the establishment of three separate concrete dump spoil sites for the disposal of concrete and waste rock emanating from the removal of and old pipeline and the construction of the new pipeline for Phase Two of the Namakwa Bulk Water Supply Scheme project. Three sites have been identified, two of which are existing unrehabilitated, borrow pits (BP3 and BP4 see Appendix A and B). At the third site (BP5 as labeled on the map Appendix A and B), material will be extracted to be used as bedding and blanked material in Phase Two of construction of the pipeline. All three these sites will be rehabilitated using concrete and waste rock emanating from construction of Phase Two of the pipeline. Concrete and waste rock will be crushed, then layered and compacted in the proposed three sites, after which clean excavation material with soil will be placed over the areas. Spoil dump site 5 will be covered with topsoil (which was removed and stored separately before bedding and blanket material is removed).

Where will the construction solid waste be disposed of (describe)?

For clarification: This application is for the establishment of three separate concrete dump spoil sites for the disposal of concrete and waste rock emanating from the removal of and old pipeline and the construction of the new pipeline for Phase Two of the Namakwa Bulk Water Supply Scheme project. Three sites have been identified, two of which are existing unrehabilitated, borrow pits (BP3 and BP4 see Appendix A and B). At the third site (BP5 as labeled on the map Appendix A and B), material will be extracted to be used as bedding and blanked material in Phase Two of construction of the pipeline. All three these sites will be rehabilitated using concrete and waste rock emanating from construction of Phase Two of the pipeline. Concrete and waste rock will be crushed, then layered and compacted in the proposed three sites, after which clean excavation material with soil will be placed over the areas. Concrete spoil dump site 5 will be covered with topsoil (which was removed and stored separately before bedding and blanket material is removed).

Will the activity produce solid waste during its operational phase?  
NO

If yes, what estimated quantity will be produced per month?  
m³

How will the solid waste be disposed of (describe)?

Please refer to above explanation for clarification

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?  
N/A

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?  
NO

If yes, inform the competent authority and request a change to an application for scoping and EIA.

Is the activity that is being applied for a solid waste handling or treatment facility?  
NO
If yes, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

11(b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system? NO
If yes, what estimated quantity will be produced per month? m³
Will the activity produce any effluent that will be treated and/or disposed of on site? NO
If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
Will the activity produce effluent that will be treated and/or disposed of at another facility? NO
If yes, provide the particulars of the facility:
Facility name: N/A
Contact person:
Postal address:
Postal code:
Telephone:
Cell:
E-mail:
Fax:
Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

11(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere? NO
If yes, is it controlled by any legislation of any sphere of government? NO
If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
If no, describe the emissions in terms of type and concentration:
N/A

11(d) Generation of noise

Will the activity generate noise? NO
If yes, is it controlled by any legislation of any sphere of government? NO
If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
If no, describe the noise in terms of type and level:
N/A
12. **WATER USE**

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es)

<table>
<thead>
<tr>
<th>Box</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>the activity will not use water</td>
<td></td>
</tr>
</tbody>
</table>

If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:

| Volume | N/A |

Does the activity require a water use permit from the Department of Water Affairs?

| Permit Required | NO |

If yes, please submit the necessary application to the Department of Water Affairs and attach proof thereof to this application if it has been submitted.

13. **ENERGY EFFICIENCY**

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

The location of the spoil dump sites where chosen in close proximity to the construction of phase two of the pipeline, which will promote energy efficiency as trucks would not have to drive far distances to dispose of the concrete spoil and waste rock.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

| Sources | N/A |

**SECTION B: SITE/AREA/PROPERTY DESCRIPTION**

Important notes:

1. For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section C and indicate the area, which is covered by each copy No. on the Site Plan.

Section C Copy No. (e.g. A):

2. Paragraphs 1 - 6 below must be completed for each alternative.

3. Has a specialist been consulted to assist with the completion of this section?

| YES |

If YES, please complete form XX for each specialist thus appointed:

All specialist reports must be contained in Appendix D.

1. **GRADIENT OF THE SITE**
Indicate the general gradient of the site

**Alternative S1:**

<table>
<thead>
<tr>
<th>Site</th>
<th>Flat 1:50 – 1:20</th>
<th>1:20 – 1:15</th>
<th>1:15 – 1:10</th>
<th>1:10 – 1:7.5</th>
<th>1:7.5 – 1:5</th>
<th>Steeper than 1:5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
<td></td>
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<td></td>
<td></td>
<td>Steeper than 1:5</td>
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</tbody>
</table>

**Alternative S2 (if any):**

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<tr>
<th>Flat</th>
<th>1:50 – 1:20</th>
<th>1:20 – 1:15</th>
<th>1:15 – 1:10</th>
<th>1:10 – 1:7.5</th>
<th>1:7.5 – 1:5</th>
<th>Steeper than 1:5</th>
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<td>Steeper than 1:5</td>
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</tbody>
</table>

**Alternative S3 (if any):**

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<th>1:20 – 1:15</th>
<th>1:15 – 1:10</th>
<th>1:10 – 1:7.5</th>
<th>1:7.5 – 1:5</th>
<th>Steeper than 1:5</th>
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<td></td>
<td></td>
<td></td>
<td>Steeper than 1:5</td>
</tr>
</tbody>
</table>

2. **LOCATION IN LANDSCAPE**

Indicate the landform(s) that best describes the site:

- 2.1 Ridgeline
- 2.2 Plateau
- 2.3 Side slope of hill/mountain
- 2.4 Closed valley
- 2.5 Open valley
- **2.6 Plain**
- 2.7 Undulating plain / low hills
- 2.8 Dune
- 2.9 Seafront

3. **GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE**

Is the site(s) located on any of the following (tick the appropriate boxes)?

<table>
<thead>
<tr>
<th>Shallow water table (less than 1.5m deep)</th>
<th>Alternative S1: NO</th>
<th>Alternative S2 (if any): YES</th>
<th>Alternative S3 (if any): YES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolomite, sinkhole or doline areas</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Seasonally wet soils (often close to water bodies)</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Unstable rocky slopes or steep slopes with loose soil</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Dispersive soils (soils that dissolve in water)</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Soils with high clay content (clay fraction more than 40%)</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Any other unstable soil or geological feature</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>An area sensitive to erosion</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>
If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. (Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted).

4. GROUNDCOVER

Indicate the types of groundcover present on the site:

4.1 Natural veld – good condition €
4.2 Natural veld – scattered aliens €
4.3 Natural veld with heavy alien infestation €
4.4 Veld dominated by alien species €
4.5 Gardens
4.6 Sport field
4.7 Cultivated land
4.8 Paved surface
4.9 Building or other structure
4.10 Bare soil

The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

If any of the boxes marked with an “E” is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn’t have the necessary expertise.
5. **LAND USE CHARACTER OF SURROUNDING AREA**

Indicate land uses and/or prominent features that do currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

### 5.1 Natural area

- 5.2 Low density residential
- 5.3 Medium density residential
- 5.4 High density residential
- 5.5 Informal residential

### 5.2 Other land uses (describe)

The three proposed sites selected to be spoil sites are two existing, unrehabilitated borrow pits (BP) and one other site where bedding and blanket material will be extracted.
Spoil Site 3 (BP3) is located adjacent (North) to the Henkries road, about 5 km east of the N7, and about 3km from the Doringwater Booster Pump Station.

Spoil Site 4 (BP4) is located adjacent (East) to the Henkries Water Treatment Works.

Spoil Site 5 is located to adjacent (East) of the Henkries road and about 4km (South) from the Henries Mond.

If any of the boxes marked with an “N” are ticked, how this impact will / be impacted upon by the proposed activity.

<table>
<thead>
<tr>
<th>If YES, specify and explain:</th>
<th>N/A</th>
</tr>
</thead>
</table>

If any of the boxes marked with an “An” are ticked, how will this impact / be impacted upon by the proposed activity.

<table>
<thead>
<tr>
<th>If YES, specify and explain:</th>
<th>N/A</th>
</tr>
</thead>
</table>

If any of the boxes marked with an “H” are ticked, how will this impact / be impacted upon by the proposed activity.

<table>
<thead>
<tr>
<th>If YES, specify and explain:</th>
<th>N/A</th>
</tr>
</thead>
</table>

**6. CULTURAL/HISTORICAL FEATURES**

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including Archaeological or paleontological sites, on or close (within 20m) to the site?

<table>
<thead>
<tr>
<th>If YES</th>
<th>N/A</th>
</tr>
</thead>
</table>

If uncertain, conduct a specialist investigation by a recognised specialist in the field to establish whether there is such a feature(s) present on or close to the site.

<table>
<thead>
<tr>
<th>Briefly explain the findings of the specialist:</th>
<th>N/A</th>
</tr>
</thead>
</table>

Will any building or structure older than 60 years be affected in any way?

| NO |

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

| NO |

If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made.
SECTION C: PUBLIC PARTICIPATION

PLEASE REFER TO APPENDIX H FOR PROOF OF INITIAL PUBLIC PARTICIPATION PROCESS CONDUCTED

Public Participation was conducted for this proposed development in accordance with the requirements outlined in Regulation 41, 42, 43 and 44 of the NEMA EIA Regulations, as well as the Department of Environmental Affairs and Development Planning’s guideline on Public Participation 2011. The issues and concerns raised will be dealt with as part of this application. Each subsection of Regulation 41 contained in Chapter 6 of the NEMA EIA Regulations will be addressed separately to thereby demonstrate that all potential Interested and Affected Parties (I&AP’s) were notified of the proposed development. Please refer to Appendix H for proof of Public Participation conducted.

Posters was displayed on the property fence at the Henkries N7 turn off, along the Henkries road near the Borrow Pit 3 site, along the Henkries road at the Booster Pump Station and Henkries Water Works. A poster was also placed at the Springbok Municipality (please refer to Appendix H1 for proof of poster & H2 for maildrop). The posters contained all details as prescribed by R41 (3) (a) & (b) and the size of the on-site poster were 60cm by 42cm as prescribed by section 41 (4) (a).

An advert was placed in Die Plattelander (Please refer to Appendix H3 for proof of Advert)

Notifications letters were sent to the landowner (Nama Khoi Municipality) and state organisations, informing parties of the proposed development.
There are no direct neighbours who will be impacted by the proposed spoil sites. The only inhabitants live near the Doornwater Pump station where handouts were placed and poster were put up to inform the people of the proposed spoil sites.
Handouts was left at the Springbok Municipality and Henkries Water Works to inform the public of the proposed development and invite them to register as an Interested and Affected Party (I&AP) to be kept up to date with the proposed development. (Please refer to Appendix H4 for the Notification letters/ Handouts, G3 for the maildrop, the stamp on the I&AP list Appendix H5 proof that letters were sent.

A register of interested and affected parties (I&Aps) was opened and maintained. Any member of the public can request (in writing) to be a I&AP and will be kept up to date with developments in the project (Please refer to Appendix H5 for the I&AP register). I&AP were given 30 days for comments during the initial public participation phase.
A summary of issues raised by I&AP are addressed in the comments and response report. No comments were made during the first round of public participation. (Refer to Appendix E).

1. ADVERTISEMENT

The person conducting a public participation process must take into account any guidelines applicable to public participation as contemplated in section 24J of the Act and must give notice to all potential interested and affected parties of the application which is subjected to public participation by—

(a) fixing a notice board (of a size at least 60cm by 42cm; and must display the required information in lettering and in a format as may be determined by the competent authority) at a place conspicuous to the public at the boundary or on the fence of—
   (i) the site where the activity to which the application relates is or is to be undertaken; and
   (ii) any alternative site mentioned in the application;

(b) giving written notice to—
   (i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;
   (ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
   (iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
   (iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;
   (v) the municipality which has jurisdiction in the area;
   (vi) any organ of state having jurisdiction in respect of any aspect of the activity; and
   (vii) any other party as required by the competent authority;

(c) placing an advertisement in—
   (i) one local newspaper; or
   (ii) any official Gazette that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;

(d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or local municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official Gazette referred to in subregulation 54(c)(ii); and

(e) using reasonable alternative methods, as agreed to by the competent authority, in those instances where a person is desiring of but unable to participate in the process due to—
   (i) illiteracy;
(ii) disability; or
(iii) any other disadvantage.

2. **CONTENT OF ADVERTISEMENTS AND NOTICES**

A notice board, advertisement or notices must:

(a) indicate the details of the application which is subjected to public participation; and

(b) state—

(i) that the application has been submitted to the competent authority in terms of these Regulations, as the case may be;

(ii) whether basic assessment or scoping procedures are being applied to the application, in the case of an application for environmental authorisation;

(iii) the nature and location of the activity to which the application relates;

(iv) where further information on the application or activity can be obtained; and

(iv) the manner in which and the person to whom representations in respect of the application may be made.

3. **PLACEMENT OF ADVERTISEMENTS AND NOTICES**

Where the proposed activity may have impacts that extend beyond the municipal area where it is located, a notice must be placed in at least one provincial newspaper or national newspaper, indicating that an application will be submitted to the competent authority in terms of these regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made, unless a notice has been placed in any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of the EIA regulations.

Advertisements and notices must make provision for all alternatives.

4. **DETERMINATION OF APPROPRIATE MEASURES**

The practitioner must ensure that the public participation is adequate and must determine whether a public meeting or any other additional measure is appropriate or not based on the particular nature of each case. Special attention should be given to the involvement of local community structures such as Ward Committees, ratepayers associations and traditional authorities where appropriate. Please note that public concerns that emerge at a later stage that should have been addressed may cause the competent authority to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was inadequate.
5. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments and respond to each comment of the public before the application is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to this application. The comments and response report must be attached under Appendix E.

A summary of issues raised by I&AP are addressed in the comments and response report. No comments were made during the first round of public participation. (Refer to Appendix E).

6. AUTHORITY PARTICIPATION

Authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input. The planning and the environmental sections of the local authority must be informed of the application at least 30 (thirty) calendar days before the submission of the application.

List of authorities informed:

- DENC – Kimberley
- DENC – Springbok
- SAHRA – Northern Cape
- Northern Cape Department of Agriculture, Land reform and Rural Development
- Northern Cape Department of Water and Sanitation
- Department of Energy
- Northern Cape Department of Agriculture, Forestry and Fisheries

List of authorities from whom comments have been received:

- Only DENC Kimberley, acceptance of Application form (See Appendix G)

7. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for linear activities, or where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that sub regulation to the extent and in the manner as may be agreed to by the competent authority.

Any stakeholder that has a direct interest in the site or property, such as servitude holders and service providers, should be informed of the application at least 30 (thirty) calendar days before the submission of the application and be provided with the opportunity to comment.

Has any comment been received from stakeholders? NO

If “YES”, briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

No comments received up till now
SECTION D: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2010, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

List the main issues raised by interested and affected parties.

None this far

Response from the practitioner to the issues raised by the interested and affected parties (A full response must be given in the Comments and Response Report that must be attached to this report):

None this far

2. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MANAGEMENT OF IDENTIFIED IMPACTS AND PROPOSED MITIGATION MEASURES

List the potential direct, indirect and cumulative property/activity/design/technology/operational alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed.

**Alternative (preferred alternative)**

The proposed activity will only have 2 phases: construction/operations and rehabilitation. The purpose of this activity is for the establishment of three spoil dump sites as the need existed to legally dispose of waste rock and concrete spoil emanating from the removal of the old pipeline for Namakwa Water Supply Scheme. It is proposed that two existing, unrehabilitated borrow pits (BP3 and BP4) be used as spoil sites (Spoil sites 3 and 4) to legally dispose of these materials, while at the same time rehabilitate these borrow pits. Spoil site 5 is located on an open sandy area where topsoil will be scrapped (and stored separately) and sand will be extracted for bedding and blanked material for the construction of the pipeline. The area will then be used for the backfilling of spoil concrete and waste rock, after which it will be rehabilitated.

In terms of mitigation and management practices, an Environmental Management Programme (EMPr) developed for the Namakwa Regional Water Supply Scheme is currently in use. The appointed environmental control officer for the water supply project will monitor compliance for the proposed spoil dump sites, therefore an addendum to the EMPr containing specific requirements for Namakwa Concrete Spoil Dump Sites (as well as the original EMPr) is attached as Appendix F.
Construction/Operations Phase

Direct Impacts:

The potential Impact on Fresh Water Ecosystems: It is very unlikely that the proposed concrete spoil sites will have an impact on any fresh water ecosystems. There are no watercourses in direct proximity to the proposed sites. It is also very unlikely that any ground water will be affected by the proposed dumping of waste rock and concrete as the material is not classified as hazardous and the likelihood that leachates can impact ground water is very unlikely. Attention must be given to the possibility of hydrocarbon spills from trucks and excavator/TLB.

Mitigation:

- Importance must be given to emergency preparedness with regards to any spillages or leakage of hydrocarbons on site.
- Ensure spill kits are available on site to clean up potential spills and leaks
- The contractor is responsible for training of workers with regards to spill response.

Potential loss of cultural or heritage aspects: It is very unlikely to negligible that any heritage aspects will be affected at the proposed dump sites. Spoil dump site 3 and 5 are previously disturbed areas.

Mitigation:

- If any archaeological remains (i.e. fossil bones and shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during the construction/operation phase, they must immediately be reported to SAHRA and must not be disturbed further until the necessary approval has been obtained from SAHRA.
- Should any human remains/burial or archaeological material be disturbed, exposed or discovered during construction/operations, these should immediately be reported to the South African Heritage Resources Agency. The ECO and Engineer should also be informed.

Loss of vegetation: At spoil dump site 3 (BP3) and spoil dump site 4 (BP4) loss of vegetation is negligible as these areas are previously disturbed with no vegetation growth. There are sufficient topsoil at spoil dump 3 (BP3) to use for rehabilitation.
At concrete spoil dump site 4 loss of vegetation will be low, as vegetation (Eastern Gariep Rocky Desert) is very sparse (Please refer to the site photos in Appendix B) and classified as least threatened.

Mitigation:

- Indiscriminate clearing of areas must be avoided.
- Work should remain with the corner coordinates as provided in facility illustration (Appendix C1, C2 and C3)
- Topsoil must be removed at concrete spoil dump site 5 and stored separately for re-use for rehabilitation purposes. The topsoil and vegetation should be placed over the disturbed area to provide a source of seed bed to encourage re-growth of the
species removed during construction/ operation.
- Rehabilitation must be done after construction.
- Once construction is completed, all further movement must be confined to the access tracks to allow vegetation to re-establish over excavated areas.
- The ECO appointed for the Namakwa Waste Water Supply Scheme must oversee compliance to mitigation measures for this project.
- All alien vegetation must be removed within the various construction sites.

**Potential soil contamination from hydro carbon spills:** There is a likelihood that trucks and excavator/ TLB can potentially cause soil contamination from hydro-carbon spills.

**Mitigation measures:**
- No hazardous waste (i.e. fuel/ oil) will be stored on site.
- No refuelling of trucks/ excavator permitted on site
- The contractor should ensure drip trays are placed under stationary vehicles/ excavator/ TLB
- Importance must be given to emergency preparedness with regards to any spillages or leakage of hydrocarbons on site.
- Ensure spill kits are available on site to clean up potential spills and leaks
- The contractor is responsible for training of workers with regards to spill response.
- Spills need to be kept on record.

**Potential Dust Pollution:** There is a possibility of dust pollution emanating from (1) crushing, layering and compacting concrete spoil and waste rock, (2) topsoil placing and (3) trucks traveling to and form sites. It is expected that potential dust pollution will have any significant impacts as there are no communities in close proximity to the proposed spoil sites.

**Mitigation measures:**
- Dust will be monitored
- If dust becomes a problem, dust will be controlled by means of water spray vehicles or other practical means
- No over-watering of the mining area or roads surfaces should occur
- Speed limits must be enforced in all areas, including public roads and private property to limit the levels of dust pollution, avoid dangerous conditions and limit excessive deterioration of the access route. Max speed of 40km/h maintained on the construction site;
- Workers will be provided with suitable PPE
- Under extreme windy conditions, work will be stopped
**Rehabilitation Phase**

**Direct impacts:**

*Poor topsoil management:* Poor management practices in terms of topsoil can potentially impact on Biodiversity and compromise the regrowth of original vegetation, especially at soil dump site 5.

**Mitigation:**

- Where applicable, topsoil must be scrapped, prior to the disturbance occurring.
- Topsoil must be stockpiled and protected to be used for rehabilitation after construction/operations.

**Indirect impacts:**

**Indirect negative impact**

*Littering:* Potential littering from workers on site

**Mitigation:**

- The contractor should do environmental training with all staff/ workers on site.
- The Contractor must supply waste bins/skips throughout the site at locations where mining and construction personnel or labourers are working. The bins must be provided with lids and an external closing mechanism to prevent contents from blowing out, and must be scavenger proof to prevent animals attracted to waste. Bins must be emptied on a regular basis and the waste removed to the construction camp where it must be contained in scavenger, water and windproof containers until disposed of.
- Trucks will be provided with binbags
- General waste should be disposed of at an appropriately licensed site.

**Indirect Positive Impact:**

*Positive attributes to the environment (Visually and Biodiversity):* Removal of rubble along the pipeline and the rehabilitation of existing borrow pits that were left unrehabilitated will have a positive impact in the environment. Topsoil will be placed to encourage the regrowth of natural vegetation to encourage the site to return to its natural condition (as far as possible) before disturbance. This will contribute to the visual/aesthetic character of the environment.

*Legal compliance for the municipality:* By obtaining a waste license for establishing these proposed spoil dump sites the municipality ensures that concrete spoil and waste rock as disposed of in a legal manner. This indirectly impacts the progress of phase two of the development of the upgraded pipeline which, once completed, will have positive impact on the surrounding communities.
**Cumulative impacts:**

The impact of the proposed spoil dump sites on freshwater ecosystems, heritage, soil, vegetation and air pollution is expected to be of little significance, if the correct mitigation measures are in place and complied to (Please also refer to the Impact assessment rating attached as Appendix I2)

The indirect positive impact emanating from the proposed soil dump sites can be summarised as the enhancement of biodiversity features, enhanced aesthetic character of the area, legal compliance in terms of waste management as well as an upgraded water supply scheme, all to the benefit of local communities.

---

3. **ENVIRONMENTAL IMPACT STATEMENT**

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Please refer to Appendix I1 for the impact rating methodology describing the impact, duration, likelihood and significance of the proposed activity on the environment and Appendix I2 for the actual impact assessment of the preferred sites: Concrete Spoil Dump Site 1 (BP3), Concrete Spoil Dump Site 2 (BP4) and Concrete Spoil Dump Site 3 (BP4).

Spoil Dump Site 3 (BP3) and Concrete Spoil Dump Site (BP4) will be assessed together as the two sites have the same character, both being existing unrehabilitated borrow pits. Concrete Spoil Dump Site 3 will be assessed on its own as the area was not previously disturbed. Please refer to Appendix I2.

**Impact assessment rating can be summarised:**

The impact of the proposed spoil dump sites on Biodiversity (Vegetation, CBAs/ ESAs/ Soil), Heritage resources, Water resources, Air pollution (dust) is rated as 'Very Low', and can be described as insignificant, if the correct mitigation measures are in place and complied to (Please refer to the Impact assessment rating attached as Appendix I1 and I2)

The indirect positive impact emanating from the proposed soil dump sites can be summarised as the enhancement of biodiversity features, enhanced aesthetic character of the area, legal compliance in terms of waste management as well as an upgraded water supply scheme, all to the benefit of local communities.
No-go alternative (compulsory)

The no-go alternative would be the option of not establishing the spoil dump sites. The demand for spoil dump sites for the disposal of concrete spoil and waste rock emanating from the upgrade of the water pipeline, in close proximity to the construction of phase 2 of the pipeline will not be met.

Although this option would result in no potential negative environmental impacts, the positive socio-economic impacts from the proposed activity will not be achieved. The activity is expected to contribute toward an improved environment in terms of biodiversity and aesthetic character. The municipality would be legally compliant in terms of waste management/disposal of spoil material.

The proposed activity is not expected to have any negative environmental impacts; therefore there are no environmental benefits from not implementing the activity.

The no-go option would only have been recommended if it were found that the construction of the proposed development on this site or in this area might potentially cause substantial detrimental harm to the environment.

SECTION E. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?

YES

Is an EMPr attached?

YES

The EMPr must be attached as Appendix F.

An Environmental Management Programme (EMPr) developed for the Namakwa Regional Water Supply Scheme is currently in use. The appointed environmental control officer for the water supply project will monitor compliance for the proposed spoil dump sites, therefore an addendum to the EMPr containing specific requirements for Namakwa Concrete Spoil Dump Sites (as well as the original EMPr) is attached as Appendix F.

If “NO”, indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment):

If “YES”, please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application:

Please refer to the Mitigation column in the Impact Assessment Rating (Appendix I) as well as Section 4 of the EMPr (Addendum) attached as Appendix F1 for site specific mitigation and control measures for each of the proposed spoil dump sites.
SECTION F: APPENDIXES

The following appendixes must be attached as appropriate:

Appendix A: Site plan(s)

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports

Appendix E: Comments and responses report

Appendix F: Environmental Management Programme (EMPr)

Appendix G: Other information

Appendix H: Public Participation Process

Appendix I1: Impact Assessment Methodology

Appendix I2: Impact Assessment Rating