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Enquiries: Richard Williamson

16 November 2020

Tel: 021 462 4502
P.O. Box 4637
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Attention: Mr. Andrew Salomon

ESTABLISHMENT OF THE STERKSPRUIT REGIONAL WASTEWATER TREATMENT WORKS (WWTW) AND ASSOCIATED BULK INFRASTRUCTURE IN SENQU LOCAL MUNICIPALITY, EASTERN CAPE PROVINCE.

Notice is given of an application submitted on behalf of the applicant (i.e. Dibanani Consulting CC) to the Eastern Cape Department of Economic Development, Tourism and Environmental Affairs (DEDEA) in terms of the EIA Regulations of 2104, as amended, and promulgated under the National Environmental Management Act (NEMA), 1998 (Act 107 of 1998) for Environmental Authorisation (EA) to establish the Sterkspruit Regional Waste Water Treatment Works (WWTW) and associated bulk infrastructure in the Senqu Local Municipality, Eastern Cape Province which is defined as a listed activity in terms of Notice 327.

The proposed project includes the following activities:

The replacement of the sewage bulk connector systems which will entail the division of the system into three major drainage zones, one for each community. The replacement will aim to maximise the delivery of sewer services to the local community.

The sewer connector services will consist out of the following infrastructure:

- The construction of 1200 m of 160 mm diameter sewer pump lines.
- The construction of 6000 m of 200 mm diameter sewer pipes.
- The construction of 12000 m of 250 mm diameter sewer pipes.
- The construction of 5000 m of 355 mm diameter sewer pipes.
- The construction of 2000 m of 400 mm diameter sewer pipes.
- The construction of 350 manholes.

The WWTW will be replaced and will have an initial capacity of 4Ml per day. The final effluent will be irrigated onto sports fields and other designated irrigation areas. This 4 Ml capacity will be sufficient for 5 years and will accommodate all excess sewage that the current WWTW cannot handle. After the 5-year period the WWTW will be upgraded to handle 8Ml per day. During this upgrade the re-use of the final effluent will be investigated or the installation of an outfall sewer to evaporation dams will be investigated.

The WWTW will be constructed at the existing oxidation ponds near the northern boundary of Sterkspruit near the banks of the Sterkspruit River. The WWTW will utilise the existing oxidation ponds which will be upgraded.

The WWTW will consist of amongst others:

- Inlet works with screening and de-gritting
- Flow measurement
- Biological reactor
- Secondary sedimentation tanks
- Maturation rivers

A series of lift pump stations will also be constructed to accommodate the bulk connector services where gravitational feeds cannot carry any raw sewage to the WWTW. A total of 7 sewer lift pump stations will be constructed along bulk connector systems.

The following specifications will be applicable to the pump stations:

- 20hour pumping per day.
- Sized for the summer peak demand.
- Sized for a minimum of 33% standby capacity.

Additional Information

The original Environmental Authorisation (EA) for this project was granted on the 10th February 2016 and expired the same date last year (10/02/2019). Due to the previous EA already expiring it has been identified that a new application for EA must be submitted to the Eastern Cape Department of Economic Development, Tourism and Environmental Affairs (DEDEA). Part of the process includes the public participation process (PPP) where all interested and affected parties (I&APs), registered stakeholders and relevant government departments are consulted and given the opportunity to provide meaningful feedback and concerns over the project.

The original application for EA was submitted in conjunction with a Water Use License Application (WULA) which was also issued by the Department of Water and Sanitation (DWS). The water use license is still valid and therefore the need for a new WULA is not required in this case. DWS is also registered as an interested and affected party for this project.

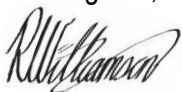
Invitation to participate:

Should you wish to participate in the Public Participation Process you are requested to send any issues and/or concerns regarding the proposed project to Richard Williamson at Eko Environmental: Suite 227, Private Bag X01, Brandhof Bloemfontein, 9324; or 051 444 4700 (Tel), 086 653 5718 (Fax) or info@ekogroup.co.za before 17/10/2020.

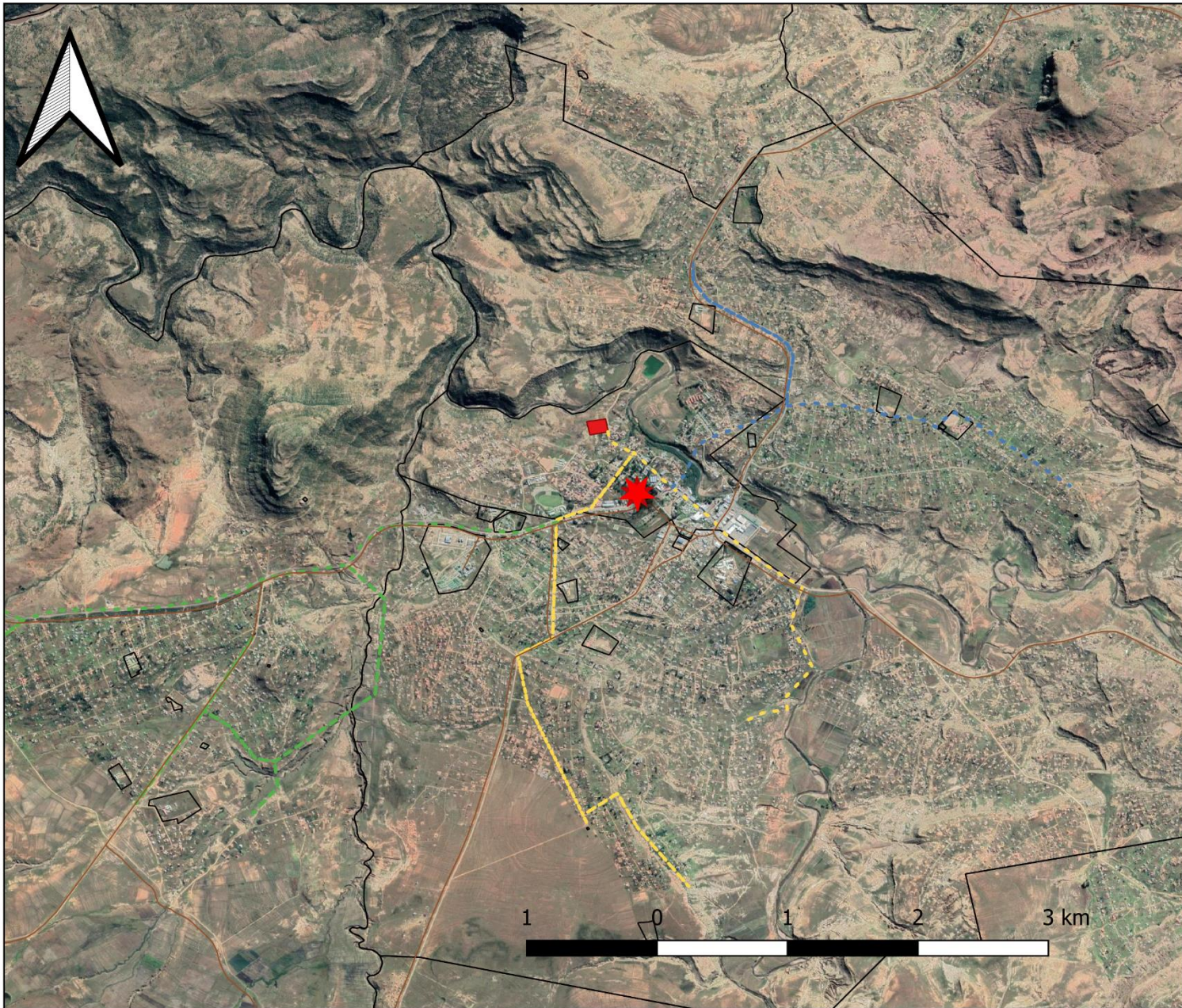
Please refer to the Maps 1 and 2 attached hereto for more information on the locality and footprint of the proposed project.

A Basic Assessment process will be undertaken and the results thereof will be submitted to the Eastern Cape Department of Economic Development, Tourism and Environmental Affairs (DEDEA) on behalf of the applicant. A copy of the Basic Assessment Report (BAR), both the Draft and Final versions, will be supplied to all **registered** Interested and Affected Parties (I&AP's) for comment.








Kind regards,



Richard Williamson



Legend

-  Sterkspruit
-  Roads Network
-  Phase 3
-  Phase 2
-  Phase 1
-  WWTW
-  Farm Portion

Map 1: Locality Map of the proposed Sterkspruit Regional WWTW and associated bulk infrastructure in Senqu Local Municipality, Eastern Cape Province. The site and pipelines are indicated as well as property boundaries and road network.

Prepared for: Dumamani Consulting CC

Map Information:
 Projection: WGS 84
 Scale: 1: 30 000

Site Coordinates:
 30.518754° S
 27.366651° E

Environmental Consultant:
 Eko Environmental
 Tel: 051 444 4700
 E: info@ekogroup.co.za





Legend

-  Sterkspruit
-  Roads Network
-  Phase 3
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-  Phase 1
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Map 2: Locality Map of the proposed Sterkspruit Regional WWTW and associated bulk infrastructure in Senqu Local Municipality, Eastern Cape Province. The site and pipelines are indicated as well as property boundaries and road network.

Prepared for: Dumamani Consulting CC

Map Information:
 Projection: WGS 84
 Scale: 1: 10 000

Site Coordinates:
 30.518754° S
 27.366651° E

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