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EKO•ENVIRONMENTAL

17 September 2014

Dear interested and / or affected party

Establishment of the Sterkspruit Regional Waste Water 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 (June 2010) under the National Environmental Management Act (NEMA), 1998 (Act 107 of 1998) for environmental authorisation to establish the Sterkspruit Regional Waste Water Treatment Works (WWTW) and associated bulk infrastructure in Senqu Local Municipality, Eastern Cape Province which is defined as a listed activity in terms of Notice 544 & 546 (DEDEA Ref. EC142\JG\LN1\M\03\14).

The proposed project includes the following activities:

The replacement of the sewage bulk connector systems entail division of the systems into three major drainage zones, one for each community. The replacement will aim to maximise the delivery of sewer services to the 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 2Ml per day. The final effluent will be irrigated onto sports fields and other designated irrigation areas. This 2 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 6Ml 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.

Public Involvement:

- A Basic Assessment process by EKO Environmental is currently underway. You are requested to send any issues and/or concerns regarding the proposed project to EKO Environmental. Your comment and concerns received will be recorded and addressed accordingly where possible.

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 Darius van Rensburg at Eko Environmental: Suite 158, Private Bag X01, Brandhof Bloemfontein, 9324; or 051 444 4700 (Tel), 086 697 6132 (Fax) or darius@ekogroup.co.za before 17/09/2014.

Please refer to the Map 1 attached hereto for more information on the locality 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) will be supplied to all **registered** Interested and Affected Parties (I&AP's).

Kind regards,

Darius van Rensburg