

# ***INTERIM PALAEOLOGICAL PERMIT REPORT***

***Regarding Permit ID 76***

## ***SENEKAL SOLID WASTE FACILITY***

***Senekal, Free State Province of South Africa***

*Farm: Townlands in the Setsoto Municipality within the Thabo  
Mofutsanyane District Municipality*

**Developer: Setsoto Municipality**

**Consultant:**



**29 October 2013**

**Gideon Groenewald**

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# 1 Description of the development

Site: Townlands Senekal (Senekal 01) approximately at 28° 19' 19.92" S, 27° 38' 35.16" E

A solid waste disposal facility is being developed approximately 2 km east of Senekal Town in the Eastern Free State Province. The development's footprint is approximately 11.6ha.

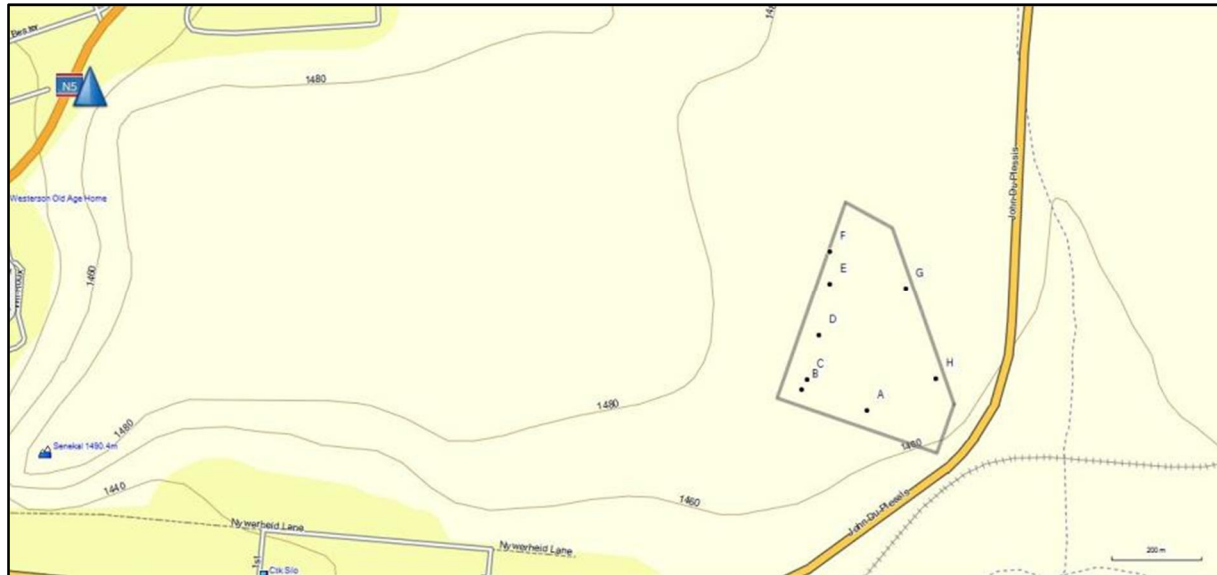


Figure 1 Locality of the site with the fossil sites marked in

## 2 Site visit

Following communication between SAHRA and the permit holder, Dr Gideon Groenewald visited the site on 01 October 2013. At the time, the fossilized remains of trees had been removed and placed at various locations on site (Figure 1). The removal of the fossils on the site was done under the guidance of another professional geologist as was arranged by the ECO of the project. At the time, the fossils were awaiting removal and transportation to the National Museum in Bloemfontein.

The inspection was carried out on foot and photographs were taken of the fossils at sites A, B, C, D, E, F, G and H (Figures 2 to 10).

Figure 2 Pile A, consisting of 2 large pieces of fossil wood: 28° 19.389" S 27° 38.559" E.



Figure 3 Pile B, consisting of large blocks of fossil wood: 28° 19.364" S, 27° 38.477" E.



Figure 4 Pile C, consisting of two pieces of fossil wood: 28° 19.352" S, 27° 38.464" E.



Figure 5 Pile D, consisting of numerous large pieces of fossil wood: 28° 19.299" S 27° 38.483" E.



Figure 6 Pile E, consisting of several large pieces of fossil wood: 28° 19.238" S, 27° 38.498" E.



Figure 7 Pile F, consisting of several large pieces of fossil wood: 28° 19.199" S, 27° 38.512" E.



Figure 8 Pile G, consisting of three smaller pieces of fossil wood: 28° 19.243" S, 27° 38,608" E.



Figure 9 Pile H, consisting of several smaller pieces of fossil wood: 28° 19.351" S, 27° 38.646" E.



Figure 10 At G, a piece of in-situ wood was found: 28° 19.243" S, 27° 38.608" E.



### **3 Conclusion**

Several well-defined remains of fossilized trees have been recorded at the Senekal Solid Waste Disposal Site. The fossils are to be curated by the National Museum in Bloemfontein and the necessary arrangements for the proper handling of the fossils must be made by the ECO to comply with SAHRA specifications.