



HillLand Environmental

Environmental Assessment Practitioners

166 Mount View, Victoria Heights
P.O. Box 590, GEORGE, 6530
Western Cape, South Africa

Tel: +27(0)44 889 0229
Fax: +27 (0) 86 542 5248
Mobile: + 27 (0) 82 5586 589
E-mail: info@hilland.co.za
www.hilland.co.za

ENVIRONMENTAL COMPLIANCE MONITORING REPORT NO.19

FOR

OUTENIKUASBOSCH, FARMS OUTENIKUASBOSCH 149 AND HARTENBOSCH
217, HARTENBOS

CIVIL SERVICES INSTALLATION (PHASES 4 & 11 & 13)



OUTENIKUASBOSCH
The Wildlife Village

Compiled by:

HillLand Environmental

Reference:

MOS22/455/65

Report Period:

September 2022

ISSUED BY:

HillLand Environmental

PO Box 590

George, 6530

Tel: 044 889 0229

Fax: 086 542 5248

E-mail: cathy@hilland.co.za / admin@hilland.co.za / environmental@hilland.co.za

Website: www.hilland.co.za

OUTENIKUASBOSCH, FARMS OUTENIKUASBOSCH 149 AND HARTENBOSCH 217, HARTENBOS

**ENVIRONMENTAL MONITORING REPORT NO 19
SEPTEMBER 2022**

Conditions of report use:

The report is the property of the sponsor and the author, who may publish it, in whole, provided:

- 1 That written approval is obtained from the author and that **HillLand Environmental** is acknowledged in the publication;
- 2 That **HillLand Environmental** is indemnified against any claim for damages that may result from publication;
- 3 The contents of this report may not be used for purposes of sale or publicity or advertisement without the prior written approval of **HillLand Environmental**.
- 4 That it is understood that **HillLand Environmental** accepts no responsibility for the contractor's failure to follow the recommended programme.
- 5 That it is understood that **HillLand Environmental** accepts no responsibility for the contractor's deviation or non-compliance to any specifications or guidelines provided in the report.
- 6 That it is understood that all figures, plates, and diagrams are copyrighted and may not be reproduced by any means, in any form, in part or whole.

Submitted to:	DEADP (George) Dryer van Zyl – Owner / Developer ZEC4 (Pty) Ltd
Copies to:	Petrie van Zyl – Move It Civils (Contractor – phase 10) Charl Moller – Charl Moller Consulting Engineer Pieter van Zyl – Outeniquasbosch HOA

Environmental Monitoring Report No. 19

This report monitors compliance against the Environmental Management Plan (Ref.: MOS22/455/48). This monitoring report constitutes the 19th Environmental Monitoring Report and covers inspections done during **September 2022** for the **civil services installation of Phases 4, 11 & 13**.

This ECO report covers compliance monitoring for all works to date in terms of the EMPr and the EA in relation to civil services installation.

Commencement of **all listed activities** for the development (including the Resort zone) has taken place in accordance with the EA. The main road to the resort area has been constructed and the decking at the first resort unit complies with the aesthetic requirements.

Weekly ECO monitoring takes place during civil services construction phase (**phases 4 & 11 & 13**) and monthly during individual **house** construction.

The **Operational phase has started** with some residents residing permanently within Outeniquasbosch. It is now important to ensure that all construction areas are demarcated appropriately to prevent any unauthorised entry or accidental injury (residents and animals). All effort should be made to ensure that the estate is always kept neat and tidy, this includes litter, construction rubble and management of invasive alien plants and weeds.

1. Environmental Induction

Environmental induction was done on **8 September 2022** with the phase 4 contractor's team (Move It Civils) and Erf 7336, Erf 7356 and Erf 6615. On the **29th of September 2022** environmental induction was done with Erf 7332, Erf 7366, Erf 7340 and Erf 7369.

2. NO-GO Demarcation

No-Go areas were discussed during the environmental inductions.

Demarcating open trenches have been disused and the owner requires the following:

- *No go Demarcation (green shade netting) for each home building site **must** be in place and maintained.*
- *The temporary construction haul road to phases 3 and 10 (next to **Mafunyane Street**) is demarcated with small piles of painted stones next to the road.*
- *Singular temporary construction roads in phases 4 & 11 & 13 must be used. Regular toolbox talks must be done with all drivers and machine operators to remain on the existing temporary construction roads.*

3. Fauna and Flora

The civil and building contractors have to ensure that no harm or damage is done to any fauna or flora during active construction periods. Harm or damage can be mitigated by surveying the area to be excavated or cleared to ensure that no animals or plants are affected.

Plant search and rescue was done in **phase 4** on the **8th of September 2022**.



2022.09.08 – Plants rescued prior to commencement of the civil services installation in phase 4.



2022.09.08 - The rescued plants being planted on the embankment next to the stormwater outlet.

Ongoing eradication of listed invasive alien plants receives ongoing attention.

- *Alien invasive plant species as a result of construction (all phases) activity must be removed. The developer/management team must ensure ongoing alien plant eradication.*

4. Soil & Site Management

The contractors should note that the topsoil must be kept separate from any other subsoil or construction material to prevent contamination.

- Topsoil stockpile next to the roads must be protected from disturbance during construction – green shade netting or similar visual barrier can be installed if required.
- Dust mitigation measures (keeping the roads wet) are implemented when dust becomes an issue.
- Singular temporary construction roads in **phases 4 & 11 & 13** must be used to avoid damage to topsoil and vegetation. Regular toolbox talks must be done with all drivers and machine operators to remain on the existing temporary construction roads.

5. Heritage Requirements

Should any heritage remains be exposed during excavations or any actions on the site, these must immediately be reported to the Provincial Heritage Resources Authority of the Western Cape, Heritage Western Cape (in accordance with the applicable legislation). Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from Heritage Western Cape. Heritage remains include archaeological remains (including fossil bones and fossil shells); coins; indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone artifacts and bone remains; structures and other built features; rock art and rock engravings; shipwrecks; and graves or unmarked human burials.

A qualified archaeologist must be contracted where necessary (at the expense of the applicant and in consultation with the relevant authority) to remove any human remains in accordance with the requirements of the relevant authority.

- No heritage remains have been discovered to date.

6. Construction Site Camp

Contractors (civil and house construction) must provide ablution facilities for all construction personnel working on the site. One facility for every 15 persons on site is required.

- Toilet facilities are available for the civil contractor's staff and at each home building site.



2022.09.15 – Ablution facilities are available to staff installing civil services.



2022.09.29 – Ablution facilities are available on each site for staff.

A fenced-off area must be created within the site camp for refuse and waste management as indicated above. ECO to inspect for compliance.

- Littering should be covered in regular "toolbox" talks with all staff members.
- No litter were noted during site inspection.

No accommodation of contractors or their staff except for a night watchman is permitted on site.

- No construction related accommodation on site.

Any concrete batching areas are to be approved by the ECO prior to utilization and must be equipped with suitable settling ponds and trapping mechanisms to ensure that contaminated water does not leave the restricted area.

- Civil construction – the cement mixing area for phases 11 & 13 was discussed and agreed, no further encroachment of the mixing area is to occur.
- Home construction – cement mixing is to be contained within the disturbance footprint and on a non-permeable layer (wooden sheet/plastic etc) to prevent soil contamination.
- **Ready-mix trucks are not allowed to be washed on site.**



2022.09.29 – Skip available on site must be covered during inactive periods to prevent litter blowing in the wind.

Any temporary diesel storage tanks are to be secured with adequate bunding to cater for spillage and leakage

- No fuel is being stored on site to the knowledge of the ECO.

There should be a secure access point to the construction site in order to ensure that no unauthorized entry is permitted which may lead to a safety or security risk.

- Access to Outeniquasbosch Eco Estate is controlled through access-controlled gates/booms.

Any temporary haul roads or access roads for construction need to be maintained at all times by the contractor.

- The contractor is maintaining the current construction haul road. **Please be reminded that driving off the designated haul roads or access roads is not permitted.**
- Construction vehicles must **abide to the speed limit** as this is a wildlife estate with animals roaming freely.
- The temporary haul road next to phase 4 and 10 is demarcated with painted stones – any new haul roads must be approved by the ECO in advance.
- *Singular temporary construction roads in **phases 4 & 11 & 13** must be used. Regular toolbox talks must be done with all drivers and machine operators to remain on the existing temporary construction roads.*

7. Civil Construction

Construction and installation of services for **phases 4, 11 & 13** are ongoing.



2022.09.29 – internal access roads of phases 11 & 13 in progress.

The contractor will be responsible for the rehabilitation of all disturbed areas (including temporary construction haul routes) at the end of construction and before handing the services back to the developer/HOA.

8. Conclusion

The contractors are aware of the environmental requirements and are complying. It is advised that the contractors (**civil and home building**) do regular toolbox talks with all staff members with special focus on **littering and cigarette** butt disposal. The **building** contractors are also reminded to ensure that the No-Go demarcation and safety netting is maintained to ensure that no animals get injured. Construction and installation of services in **phases 4 & 11 & 13** are being monitored by the ECO – the contractor is reminded to ensure that singular temporary construction haul routes are used.

ECO monitoring for during **September 2022**

Date:	Comment:
8 September 2022	ECO site inspection of the Civil contractor & House Construction & plant search and rescue & environmental induction
15 September 2022	ECO site inspection of the Civil contractor
22 September 2022	ECO site inspection of the Civil contractor
29 September 2022	ECO site inspection of the Civil contractor & environmental induction