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ENVIRONMENTAL COMPLIANCE MONITORING REPORT NO.07

FOR

**OUTENIKUASBOSCH, FARMS OUTENIKUASBOSCH 149 AND HARTENBOSCH
217, HARTENBOS**

CIVIL SERVICES INSTALLATION (PHASE 10)



OUTENIKUASBOSCH
The Wildlife Village

Compiled by:

HilLand Environmental

Reference:

MOS21/455/17

Report Period:

July 2021

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OUTENIKUASBOSCH, FARMS OUTENIKUASBOSCH 149 AND HARTENBOSCH 217, HARTENBOS

**ENVIRONMENTAL MONITORING REPORT NO 7
JULY 2021**

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Copies to:	Deon Brand – Outeniquasbosch Petrie van Zyl – Move It Civils (Contractor – phase 10) Charl Moller – Charl Moller Consulting Engineer

Environmental Monitoring Report No. 07

This report monitors compliance against the Environmental Management Plan (Ref.: MOS18/455/01). This monitoring report constitutes the 7th Environmental Monitoring Report for inspection(s) done during July 2021 for the **civil services installation of Phase 10**.

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 (**phase 10**) and monthly during individual **house** construction.

The **Operational phase has started** with some residence 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 with all staff members on-site in **March 2021**. The contractor must notify the ECO when new staff is to start on site to arrange an environmental induction session.

2. NO-GO Demarcation

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

- *Game generally stays away from excavations and therefore the main focus regarding demarcation of excavations relate to person safety. Ongoing monitoring of the game movement and activity is the responsibility of the owner and demarcation must be installed upon instruction from the said owner - Health and Safety consultant to monitor person safety requirement.*



2021.07.28 – The contractor should make sure that the proper demarcation surrounding deep excavations is in place – Health and Safety consultant to monitor person safety requirement.

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 conducting a survey of the area to be excavated or cleared to ensure that no animals or plants are affected.

A plant search and rescue is to be arranged with the ECO if there are any plants within the specific site that require rescue.

Ongoing eradication of listed invasive alien plants must be considered high priority to prevent the spread of any of these species.

- Alien invasive plant species as a result of construction activity, must be removed - the ECO will inform if and when alien plants are noted. The developer/management team must ensure ongoing alien plant eradication.
- The following list of invasive alien plants and / or weeds **were** noted on Outeniquasbosch and should therefore be managed when spotted:
 - o Stinkblaar (*Datura spp.*) next to the road excavation in **phase 10** must be eradicated.



4. Soil Management

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

- No issues noted during the reporting period.



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 on site during civil services installation.



2021.06.23 – Phase 10 contractor providing a portable chemical toilet for the staff.

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

- Adequate litter bins are to be provided at the site camp; littering should be covered in regular "toolbox" talks with all staff members.

No accommodation of contractors or their staff with the exception of a night watchman is permitted on site.

- No 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.



2021.07.28 – Stand mixers are used - a non-permeable layer must be used underneath the concrete mixer, or suitable settling ponds and trapping mechanisms to be implemented – all disturbed areas must be rehabilitated.

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.

7. Stormwater Management

Ensure proper management of storm water outlet to minimise erosion and pollution potential.

- Estate Management - ongoing maintenance of the stormwater outlets are to be done.
- The storm water detention ponds handle the storm conditions well and showed their efficiency.

8. Conclusion

No environmental damage or issues noted during ECO site inspections.

The contractor is aware of the environmental requirements and are complying. It is advised that the contractors 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.

ECO monitoring for during July 2021

Date:	Comment:
13 July 2021	ECO site inspection of the Civil contractor
15 July 2021	ECO site inspection of the Civil contractor
23 July 2021	ECO site inspection of the Civil contractor
28 July 2021	ECO site inspection of the Civil contractor