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ENVIRONMENTAL COMPLIANCE MONITORING REPORT NO.17

FOR

OUTENIKUASBOSCH, FARMS OUTENIKUASBOSCH 149 AND HARTENBOSCH
217, HARTENBOS

CIVIL SERVICES INSTALLATION (PHASE 10) AND HOUSE CONSTRUCTION



OUTENIKUASBOSCH
The Wildlife Village

Compiled by:

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Reference:

MOS22/455/50

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June & July 2022

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OUTENIKUASBOSCH, FARMS OUTENIKUASBOSCH 149 AND HARTENBOSCH 217, HARTENBOS

**ENVIRONMENTAL MONITORING REPORT NO 17
JUNE & JULY 2022**

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Environmental Monitoring Report No. 17

This report monitors compliance against the Environmental Management Plan (Ref.: MOS18/455/01). This monitoring report constitutes the 17th Environmental Monitoring Report and covers inspections done during June & July 2022 for the **civil services installation of Phase 10 & house construction**.

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

No new Environmental induction was done during this reporting period.

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:

- *Game generally stays away from excavations and therefore the main focus regarding demarcation of excavations relates 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.*
- *No go Demarcation (green shade netting) for each home building site **must** be in place and maintained throughout the entire construction period.*
- *The temporary construction haul road to phases 3 and 10 (next to **Mafunyane Street**) is demarcated with small piles of stones next to the road.*

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.

A plant search and rescue are to be arranged with the ECO if there are any plants within the specific site that require rescue – plant search and rescue identification was done for Erf 7369 on the **2nd of June 2022** – the building contractor must rescue the identified plants to be replanted when construction is complete.

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.

- No issues were noted during the reporting period.
- Dust mitigation measures (keeping the roads wet) are implemented when dust becomes an issue.
- Phases 11 & 13 – the cement mixing area must be confined to the approved area to limit any potential contamination, this was discussed and agreed with the civil contractor on site (24 June 2022)



2022.07.13 – Storage of construction material for civil services installation.



2022.07.01 – Topsoil and subsoil is kept on separate sides of the trench.

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.

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

- Adequate litter bins must be placed at the site camp and where the teams are working; littering should be covered in regular "toolbox" talks with all staff members.

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 - No issues with regards to runoff water was noted. The contractor is using a central location to mix cement to limit the overall disturbance of vegetation and potential to contaminate soil.
- Home construction – cement mixing must 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.**

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 must ensure that the existing haul roads (temporary roads) are used and that no new haul roads are created. All haul roads MUST be rehabilitated once construction is complete.
- Construction vehicles must **abide to the speed limit** as this is a wildlife estate with animals roaming freely.
- The temporary haul road next to Mafunyane Street is demarcated with painted stones.



2022.07.21 – Civil contractor site camp - phases 11 and 13.

7. Construction

Phases 11 & 13 - Construction of the internal roads and services are in progress and monitored weekly by the ECO.



2022.06.14 – Construction in Phase 11.



2022.07.01 – Civil services installation and construction of internal roads for phases 11 & 13.

8. Conclusion

No environmental damage or issues were noted during ECO site inspections.

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 and to confine the construction activity to the disturbance footprint. The civil contractor is currently busy with construction of the internal roads and services in Phases 11 & 13.

ECO monitoring for during **June and July 2022**

Date:	Comment:
2 June 2022	ECO site inspection of the Civil contractor
9 June 2022	ECO site inspection of the Civil contractor & House Construction
14 June 2022	ECO site inspection of the Civil contractor
24 June 2022	ECO site inspection of the Civil contractor
1 July 2022	ECO site inspection of the Civil contractor
7 July 2022	ECO site inspection of the Civil contractor & House Construction
13 July 2022	ECO site inspection of the Civil contractor
21 July 2022	ECO site inspection of the Civil contractor