



HilLand 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 MONITORING REPORT 1

FOR

THE OUTENIQUA WASTEWATER TREATMENT WORKS, GEORGE



HilLand Environmental
OWWTW
13:08:2024 11:32
+34 00773 22 46462
Unnamed Road, Pacaltsdorp, Pacaltsdorp, George

Compiled by:

HilLand Environmental

Reference:

GEO24/1251/10

Report Period:

July to 21 August 2024

ISSUED BY:
HillLand Environmental
PO Box 590
George, 6530
Tel: 044 889 0229
Fax: 086 542 5248
E-mail: admin@hilland.co.za / environmental@hilland.co.za
Website: www.hilland.co.za

WEEKLY SITE INSPECTIONS AT OUTENIQUA WASTEWATER TREATMENT WORKS, GEORGE

ENVIRONMENTAL MONITORING REPORT NO 1

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Report compiled by: Jennifer Teifel & Stefan Delport – HillLand Environmental
Reviewed by: Cathy Avierinos – HillLand Environmental

Environmental Monitoring Report No 1

This report monitor's compliance against the Directive issued in terms of Section 24G (1) of the National Environmental Management Act 107 of 1998, for the unlawful commencement of erosion repairs and the rehabilitation at the stormwater outlet, Outeniqua Wastewater Treatment Works on the Remainder of Erf 325, George (dated 6 June 2024) – DEADP Ref: 14/2/4/2/3/D2/20/0009/24.

This monitoring report constitutes the first environmental monitoring report, and it covers the work undertaken as part of the aforementioned directive for the construction of the stormwater outlet structures on the Remainder of Erf 325, George.

Site inspection from **July to 21 August 2024**

Date	Comment
01 July 2024	ECO Inspection
04 July 2024	ECO Inspection
09 July 2024	ECO Inspection
17 July 2024	ECO Inspection & Site meeting
24 July 2024	ECO Inspection
01 August 2024	ECO Inspection
07 August 2024	ECO Inspection & Site meeting
13 August 2024	ECO Inspection
21 August 2024	ECO Inspection

PHOTOGRAPHIC RECORD FROM JULY TO 21 AUGUST 2024

Construction activities include (as per the aforementioned Directive):

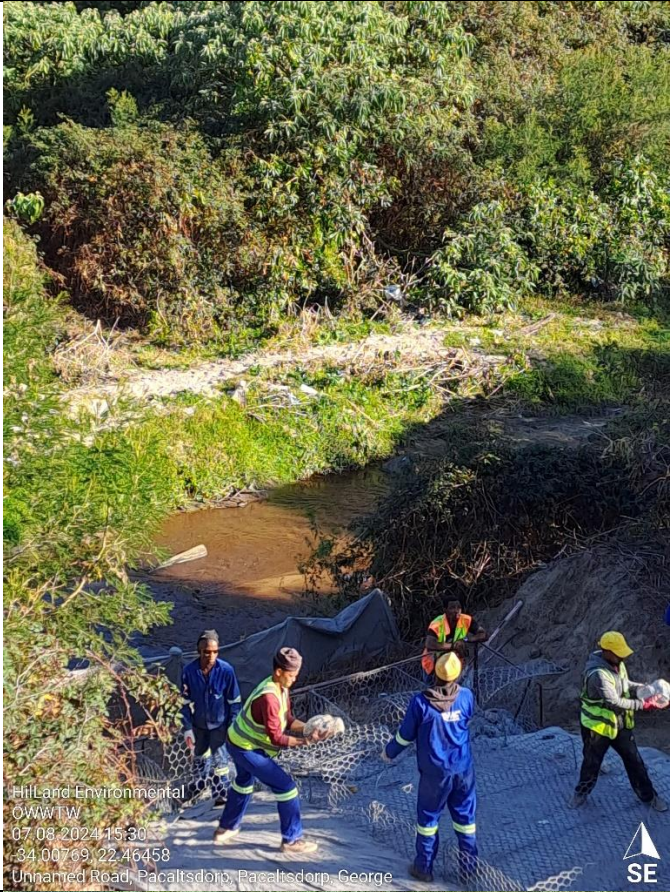
- The excavation of areas required to install infrastructure to contain and control degradation of the environment; - **excavation in progress**
- The installation of the final stormwater headwall and energy dissipator below the gabion wall within 32m proximity of the Schaapkop River; - **construction of the headwall and energy dissipator in progress**
- The replacement of the temporary stormwater infrastructure in the diverted route to a permanent feed (i.e. pipeline infrastructure) into the formalised main stormwater infrastructure to reduce the progression of further erosion in the diverted route; - **Still to commence**
- The installation of stormwater outlets, associated pipelines and associated infrastructure (i.e. reno-mattress, retaining walls, gabion boxes, energy dissipator headwall and stone pitching etc.); - **construction of the headwall and energy dissipator in progress**
- The installation of rehabilitation infrastructure (i.e. silt fencing, bags etc.) within 32m of the watercourse; - **silt fencing in place**
- The backfilling, reshaping and topsoiling and seeding of areas with the installation of associated rehabilitation infrastructure (i.e. biodegradable materials for contour protection etc.) for the reduction of silt movement; - **to follow construction phase**

Photo	Comment/ Finding
 HilLand Environmental 011 07 2024 69 45 08 10 55 29 46am 10 River St. Paarltdorp, George SW	Wooden droppers and danger tape used to demarcate the working area. Sandbags along high-risk erosion areas.

 Hill and Environmental 04.07.2024 09:16 -34.00757, 22.46477 Unnamed Road, Pacaltsdorp, Pacaltsdorp, George SE	Silt fences in place to reduce silt wash.
 Hill and Environmental 1251 09.07.2024 11:38 -34.00766, 22.46463 Unnamed Road, Pacaltsdorp, Pacaltsdorp, George NE	Mulch filled sausages pegged along the steepest slopes to reduce erosion as part of the rehabilitation phase.
 Hill and Environmental 1251 09.07.2024 11:25 -34.00771, 22.46448 Unnamed Road, Pacaltsdorp, Pacaltsdorp, George S	Excavation for the new stormwater outlet headwall and energy dissipating structure (gabion and reno mattress).

	Silt fences in place to reduce silt washing into the river below the working area for the excavations and installation of the energy dissipating structure.
 HillLand Environmental 1251 09.07.2024 11:36 34.0083, 22.45549 Pacaltsdorp, George NW	Wooden droppers and danger tape used to demarcate the working zone and haul road. The sides of the road have been rehabilitated (note the grass starting to grow).
 HillLand Environmental 24.07.2024 09:09 34.0083, 22.46513 Pacaltsdorp, George SE	Construction materials stored in the site camp.

 Hill and Environmental O/W/T/W 01.08.2024 14:43 34 00622 22 46499 Pacaltsdorp, George	Ablution facilities available in the site camp. Construction and safety signage is up.
 Hill and Environmental O/W/T/W 01.08.2024 14:43 34 00622 22 46499 Pacaltsdorp, George	Silt fence in place to prevent silt movement and indicating the no-go area.
 Hill and Environmental O/W/T/W 01.08.2024 14:43 34 00622 22 46499 Pacaltsdorp, George	Construction of the stormwater outlet head wall.



Construction of the gabions. Silt fence maintained between the river and the construction activity.



Construction progress.



Conclusion

The construction footprint and construction access route are appropriately demarcated with wooden droppers with danger tape tags. Construction vehicles are staying on the designated construction haul road. Silt fences and sandbags are in place to prevent silt and construction materials from washing into the river and surrounding vegetation. The stormwater outlet headwall and gabion structure construction commenced during this reporting period and are ongoing.