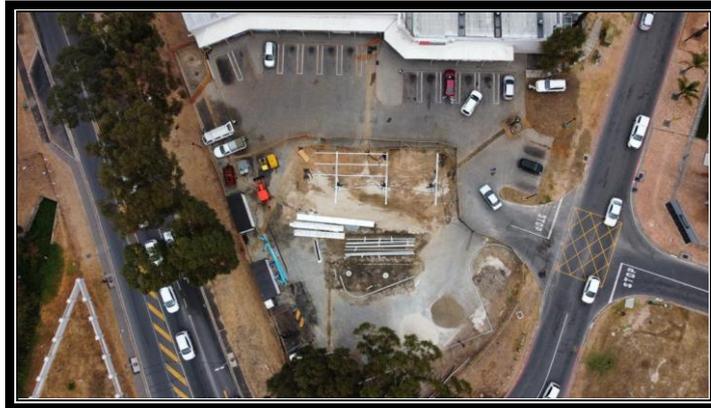


# DEVELOPMENT OF A SERVICE STATION AND ASSOCIATED INFRASTRUCTURE ON ERF 10180 LOCATED AT NUMBER 28 GOEDEMOED WEG, DURBANVILLE, WESTERN CAPE PROVINCE.

## ENVIRONMENTAL AUDIT REPORT



<b>CASE NUMBER:</b>	<b>70455672</b>
<b>AUDIT PERIOD:</b>	<b>31 March 2021</b>

### PREPARED FOR:

Infrastructure Consulting Engineers  
Contact Person: Anton Van Zijl  
Tel: 012 349 2022  
Cell: 082 818 4137

### Postal Address:

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Persequor Park  
Pretoria  
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### PREPARED BY:

Greenmined Environmental  
Auditor: Murchellin Saal  
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Fax: 086 546 0579

### Postal Address:

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Private Bag x15  
Somerset West  
7129



## PROJECT SPECIFIC DETAIL

ITEM	GOEDEMOED SERVICE STATION
Company Name	Infrastructure Consulting Engineers
Contact Person	Mr. Anton Van Zijl
Tel Number	012 349 2022
Cell Number	082 818 4137
E-mail Address	<a href="mailto:anton@iceisp.co.za">anton@iceisp.co.za</a>
Postal Address	PO Box 186, Persequor Park, Pretoria, 0020
ITEM	CONSULTANT DETAIL
Company Name	Greenmined Environmental
Contact Person	Ms. Murchellin Saal
Tel Number	021 851 2673
Cell Number	079 979 8766
E-mail Address	<a href="mailto:murchellin.s@greenmined.co.za">murchellin.s@greenmined.co.za</a>
Postal Address	Postnet Suite 62 Private Bag x15 Somerset West 7129
ITEM	LOCATION AND AREA INFORMATION
Site Name	Goedemoed Shopping Centre
Property Description	Erf 10180, Durbanville being located at number 28 Goedemoed Weg, Durbanville
Location	The subject property is located at 28 Goedemoed Weg, Durbanville (Erf 10180, Durbanville). It is surrounded by Residential, Community, Open Space and Business properties.  Residential sites are located to the south and east of the subject property, with a couple of business sites along Goedemoed Weg and east of the subject property
Footprint area	4297 m <sup>2</sup>

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# 1. ENVIRONMENTAL AUDIT REPORT

## PROJECT DETAIL

<b>Case number</b>	70455672	<b>Date of commencement:</b>	28 January 2021
<b>Site name:</b>	Goedemoed service station	<b>Inspection date:</b>	31 <sup>st</sup> March 2021
<b>Applicant:</b>	Infrastructure Consulting Engineers	<b>Other authorisations:</b>	SEMP approval 27 October 2020 All relating approvals filed in Site file. Amendment for tank installation approved by Fire and rescue on 28 January 2021.
<b>Report number:</b>	4		

## DETAIL OF AUDITOR

### (APPENDIX 7 SUB-REGULATION 3(A) & (B)):

<b>ECO:</b>	Murchellin Saal
<b>Expertise:</b>	Mrs. MD Saal has 8 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right and permit applications and applications for environmental authorisations & Water use applications.
<b>Declaration of independence:</b>	<p>I Murchellin Saal declare that –</p> <ul style="list-style-type: none"> <li>• I act as independent environmental control officer in this compliance audit;</li> <li>• I will perform the work relating to the audit in an objective manner, even if the results and findings are not favourable to the holder of the approval;</li> <li>• I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity;</li> <li>• I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations.</li> <li>• I do not have and will not have any vested interest in the activity other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014 (as amended 2017).</li> </ul> <p style="text-align: center;"></p> <p style="text-align: center;">Signature of ECO</p> <p style="text-align: right;">Date: 5<sup>th</sup> April 2021</p>

## **SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT**

This environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014 (as amended 2017).

### **OBJECTIVE:**

The objective of the Environmental Audit Report (EAR) is to evaluate compliance of the construction activities with the approval as approved by the City of Cape Town.

### **INSPECTED AREAS:**

The inspection included an assessment of the construction area for the Goedemoed service station area.

## **ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE**

The assumptions made in this document, stem from specific information gathered during the site audit and background information gathered from the applicant. No uncertainties or gaps in knowledge could be identified that is applicable during this audit period.

## LOCATION

<b>Site location:</b>	The site is located on Erf 10180, Durbanville at number 28 Goedemoed Weg, Durbanville-Goedemoed Shopping Center, Using existing entrance to the Goedemoed Centre.	
<b>Site map:</b>		
<b>Coordinates:</b>	A 33°49'59.60"S	18°40'21.91"E

## PROJECT DESCRIPTION

The proposed service station will be added to an existing shopping centre and will be located in the centre of the Goedemoed Shopping Centre parking lot, located on Erf 10180, Durbanville being located at number 28 Goedemoed Weg, Durbanville, Western Cape Province. The scope of works will include a full fuel installation, comprised of a new canopy, with 3 fuel dispensers, 2 x underground tanks.

### Installation of Tanks

The tanks will be placed on a 1 x 150mm layer of river sand. Only washed river sand will be used as bedding directly around the tanks. The tanks are pressure tested in-situ prior to backfilling to ensure a water-tight installation. A concrete slab will be cast over the tanks, on a river sand bedding. A brick wall will be constructed around the tank manhole and selected material will be used to backfill around the tank manhole.

## SITE CONDITIONS

The weather conditions were cool and rainy on the final inspection date 31<sup>st</sup> of March 2021.

## REPORTABLE ENVIRONMENTAL INCIDENTS

Incident date:	The site has a register in place in the event of incidents.
Incident no:	
Incident:	
How addressed:	
When addressed:	

### ADOPTED METHODOLOGY (APPENDIX 7 SUB-REGULATION 3(D)):

COMPLIANCE SCORE	DESCRIPTION
1	Task not achieved
2	Task 20% achieved
3	Task 50% achieved
4	Task 80% achieved
5	Task 100% achieved in accordance with the EMP

NON-COMPLIANCE SCORE	DESCRIPTION
1	<b>LOW</b> – Mitigation not needed / mitigation measures to be maintained
2	<b>MEDIUM</b> – Mitigation should be considered
3	<b>HIGH</b> – Mitigation compulsory

## INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>LEGISLATION COMPLIANCE:</b>				
National Environmental Management Act, 1998 (Act No 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended 2017)	N/A	N/A	N/A	<p>The three storage tanks will store approximately 60 m<sup>3</sup> (60 000 liters) of fuel in total (maximum 80 m<sup>3</sup> permitted), which does not trigger Environmental Activity 14 of GN No R.983.</p> <p>The proposed development also does not trigger any other listed activities (of the EIA Regulations 2014, as amended), as confirmed by the Department: Environmental Affairs and Development Planning (DEA&amp;DP) Similarly, the site has no historic value and is smaller than 5000m<sup>2</sup>, which does not require a NID or HIA from HWC.</p> <p>An environmental authorization from the competent authority is therefore not required for the proposed development.</p>
Copy of Consent use available on site	5	-	COMPLIANT	Approval letter was received 24 July 2019. Proof of the approval is available on site in the site file.
Amendment of condition (relating to parking requirements) to permit a Service station on the property	5	-	COMPLIANT	Approval letter was received 24 July 2019. Proof of the approval is available on site in the site file.
Site Environmental Management Plan- Spatial Planning & Environment Environmental Management Department	5	-	COMPLIANT	Approved on the 27th of October 2020. Conditions set out in the approval is taken into account in this document.
City of Cape Town Municipality: Land Use Planning Bylaws, 2015 (No 264 of 2015) Spatial Planning & Environment Environmental Management Department	5	-	COMPLIANT	Approval letter was received 24 July 2019. Proof of the approval is available on site in the site file.
Building Plans	5	-	COMPLIANT	Approval received 29 November 2020
Landscaping	5	-	COMPLIANT	Landscaping completed – see photo report
<b>PRE – CONSTRUCTION PLANNING PHASE</b>				
Enactment letter submitted to E&HM	5	-	COMPLIANT	Enactment letter sent to Kim Mathee on the 19th of January
ECO appointment to be submitted to E&HM	5	-	COMPLIANT	Approval of ECO appointment received on 20 November 2020.

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
The ECO must be on site from the commencement of works..	5	-	COMPLIANT	Site induction was done by myself with all the construction employees on the 28 <sup>th</sup> of January 2021. Proof registers filed in ECO file available on site.
That the proposed service station be implemented generally in accordance with Site Development Plan – document available on site.	5	-	COMPLIANT	The contractor was informed and the maps is available in the site file provided to him.
Two (2) mature blue gum trees within the centre of the property will be removed.	5	-	COMPLIANT	The trees were removed on the 28th of January 2021
Appropriate signage boards indicating construction site and all relevant demarcated area i.e construction camp, eating area, and loading area and speed limit for construction vehicles	5	-	COMPLIANT	Construction phase completed. Signage boards, barracading and other construction camps were removed.
<b>ENVIRONMENTAL EDUCATION AWARENES (SEMP- PG. 14)</b>				
Workers provided with PPE	5	-	COMPLIANT	Workers still present on site wore correct PPE. Construction phase complete
Covid-19 health and safety precautions are being taken Wearing of masks, provision of hand sanitizer, checking of temperature etc. ""	5	-	COMPLIANT	Covid precaution were still taken, Construction phase complete
Training should be provided in the use of the appropriate fire-fighting equipment;	5	-	COMPLIANT	Construction phase complete
Environmental site procedures communicated to staff on weekly basis	5	-	COMPLIANT	Construction phase complete
In addition, training should include basic first aid and firefighting and spill clean-up training (to appointed representatives).	5	-	COMPLIANT	Construction phase complete
Construction team must be aware of the SEMPR with a basic understanding.	5	-	COMPLIANT	All employees on site were inducted and understood the requirements of SEMP. Construction phase completed.
A refresher training course should be delivered annually to all staff (depending on appointments).	5	-	COMPLIANT	Construction phase complete
Records of all training course should be kept on site- A site file with all the relevant documents provided by ECO will be kept on site.	5	-	COMPLIANT	Records were kept and are included in the photo report.

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>WORKER CONDUCT ON SITE (SEMP- PG 14, 16 &amp; 21)</b>				
Construction activities must be restricted to 07:00 – 17:00 Mondays to Fridays	5	-	COMPLIANT	Construction phase complete
Saturday 7:00 – 15h00	5	-	COMPLIANT	Construction phase complete
No work allowed on Sundays and Public Holidays	5	-	COMPLIANT	Construction phase complete
All employees are aware of the boundaries of the facility, and that work stays within the approved area	5	-	COMPLIANT	Construction phase complete
Make use of the toilet facilities in the shopping centre.	5	-	COMPLIANT	Construction phase complete
Smoking only allowed in a dedicated smoking area.	5	-	COMPLIANT	Construction phase complete
Ensure availability of fire extinguishers and maintain regularly;	5	-	COMPLIANT	Construction phase complete
No alcohol/drugs on site.	5	-	COMPLIANT	Construction phase complete
No excessive noise.	5	-	COMPLIANT	Construction phase complete
No fires permitted on site.	5	-	COMPLIANT	Construction phase complete
<b>MAINTANANCE OF ACCESS AND HAULAGE ROADS (SEMP PG 14)</b>				
Access roads maintained in good condition- any material spilled in the direct vicinity of the site will be cleared.	5	-	COMPLIANT	Throughout the construction phase there has been no complaints and the access roads were always in a very neat conditions at the time of inspections.
Speed on access road 40km/h for construction vehicles.	5	-	COMPLIANT	Construction phase complete

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Construction vehicles restricted to demarcated areas.	5	-	COMPLIANT	Throughout construction phase all vehicles were parked inside the demarcated area. Construction phase complete
No parking delivery, loading or unloading of goods be permitted in abutting road reserves.	5	-	COMPLIANT	Construction phase complete
<b>SITE DEMARCATION &amp; NO GO (SEMP – PG. 15)</b>				
Site management must ensure that the construction area is fenced and all associated activities operate within the approved boundary.	5	-	COMPLIANT	Construction phase complete , All barricading and infrastructures were removed.
<b>MAINTANANCE OF CONSTRUCTION CAMP (SEMP – PG. 15)</b>				
The Contractor must ensure that all litter is disposed of in bins and/or skips.	5	-	COMPLIANT	Construction phase complete
Proof of skips emptied must be regularly must be kept and submitted to ECO.	N/A	N/A	N/A	Construction phase complete
The Contractor must ensure that the camp site, working & eating areas are allocated to the workers and are maintained in a clean, hygienic and orderly state.	5	-	COMPLIANT	Construction phase complete and all infrastructure relating to construction were removed.
Signage boards	5	-	COMPLIANT	Construction phase complete. All construction related signage boards were removed.
<b>ABLUTION &amp; EATING FACILITIES (SEMP – PG. 16)</b>				
Contractor to ensure workers makes use of the ablution facilities.	5	-	COMPLIANT	The toilets were available throughout the construction phase.
Allocate a eating area to workers	5	-	COMPLIANT	Construction phase complete
<b>HEALTH AND SAFETY (SEMP – PG. 16)</b>				
All relevant Health and Safety legislation as required in South Africa should be strictly adhered to, including but not limited to the Occupational Health and Safety Act, 1993 (No. 85 of 1993);	5	-	COMPLIANT	Construction phase complete

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Site Manager to ensure compliance with PUMA's Health and Safety / Emergency Plans / Procedures / Manuals; and	5	-	COMPLIANT	Construction phase complete
The site should be fitted with the required health and safety warning and information signage that is required and suitable for such installations.	5	-	COMPLIANT	Construction phase complete
The contractor must ensure all workers leave the construction site at the end of the work shift.	5	-	COMPLIANT	Construction phase complete
No unauthorized persons may enter the construction area without prior arrangement and approval from site management.	5	-	COMPLIANT	The site is no longer a construction area, however even though the barricading is removed there is still danger tape to ensure people do not enter the area. Construction phase complete
No worker may wander from the site.	5	-	COMPLIANT	Construction phase complete
<b>MATERIAL HANDLING, USE AND STORAGE (SEMP – PG. 17)</b>				
Any material spilled in the direct vicinity of the site will be cleared.	5	-	COMPLIANT	Construction phase complete- No spills were noticed during the inspection.
Management (including storage, transport, handling and disposal) of hazardous substances that have the potential to become airborne during construction must be carefully controlled and managed.	5	-	COMPLIANT	Construction phase complete and all storage containers were removed.
Ensure that potentially harmful materials are properly stored in a dry, secure environment, with concrete or sealed flooring.	5	-	COMPLIANT	Construction phase complete and all storage containers were removed
The Contractor must ensure that materials storage facilities are cleaned/maintained on a regular basis, and that leaking containers are disposed of in a manner that allows no spillage onto the bare soil or surface water.	5	-	COMPLIANT	Construction phase complete and all storage containers were removed
The management of such storage facilities and means of securing them shall be agreed.	5	-	COMPLIANT	Construction phase complete
<b>PLANT AND FUEL HANDLING (SEMP – PG. 18)</b>				
The contractors used for the project must have spill kits available to ensure that any fuel or oil spills are clean-up and discarded correctly;	5	-	COMPLIANT	Spill kits were available throughout construction. Construction phase complete

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Do not allow smoking in the forecourt and workshop area.	5	-	COMPLIANT	Construction phase complete
All small machinery used on site must be situated on a drip tray (i.e. Pumps, generators, compressors etc.)	5	-	COMPLIANT	Construction phase complete
<b>HOUSEKEEPING (SEMP – PG. 18)</b>				
Site Manager to ensure day-to-day compliance with the guidelines as stipulated in the SEMP.	5	-	COMPLIANT	Construction phase complete – Area was neat and well kept
The site must have a neat appearance and be kept in good condition at all times, Site free of day-to-day litter.	5	-	COMPLIANT	Construction phase complete
Skips must be cleaned and removed by the appointed skips contractor.	5	-	COMPLIANT	Construction phase complete
Compliance to be monitored by the independent Environmental Control Officer during the fortnightly environmental audit.	5	-	COMPLIANT	Construction phase complete
Roads around the site are to be swept on a regular basis.	5	-	COMPLIANT	Throughout the construction phase the roads were kept clean. Construction phase complete
<b>EMERGENCY PROCEDURES (SEMP – PG. 19)</b>				
All incidents and emergencies must be addressed in line with the Emergency Response Plan for the site.	5	-	COMPLIANT	Construction phase complete and no incidents were reported.
All incidents (fires, explosions, spillages, leakages, crimes) must be reported immediately to PUMA ENERGY; and	5	-	COMPLIANT	Construction phase complete
Record(s) of incidents should be maintained and communicated to PUMA ENERGY.	5	-	COMPLIANT	Construction phase complete – no incidents were reported during construction.
A contact list must be in placed at the site in order to contact Emergency Response as it is required.	5	-	COMPLIANT	A contact list was included in the Site file. Construction phase complete
<b>HAZARDOUS SUBSTANCES (SEMP – PG. 19)</b>				
Hazardous substances should be disposed of at an appropriate classified waste site (unless it is to be recycled by approved methods), as per the	5	-	COMPLIANT	Construction phase complete.

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
National Environmental Management Waste Act 59 of 2008;				
Hazardous substances should be disposed of at an appropriate classified waste site (unless it is to be recycled by approved methods), as per the National Environmental Management Waste Act 59 of 2008;	5	-	COMPLIANT	Construction phase complete
The contractors used for the project must have spill kits available to ensure that any fuel or oil spills are clean-up and discarded correctly;	5	-	COMPLIANT	Construction phase complete
Suitable, leak-proof drums for the disposal of oils and greases should be positioned at areas where such materials are likely to be generated.	5	-	COMPLIANT	Construction phase complete
<b>EFFLUENT HANDLING (SEMP PG. 20)</b>				
No fuels/ oils must be allowed to discharge directly into storm water pipes or drains and sewage manholes/pipes;	5	-	COMPLIANT	A channel surrounding the area will ensure that all run off water is disposed of in the correct manner. Construction phase complete
Litter blocking the storm water system must be removed	5	-	COMPLIANT	Construction phase complete-
<b>STORMWATER /EROSION MANAGEMENT (SEMP – PG. 20)</b>				
The storm water drains and channel must be covered at all times with biddum or similar material to prevent silt and debris entering the system and must be cleaned regularly during construction.	5	-	COMPLIANT	Construction phase complete
Storm water should be directed around the construction area.	5	-	COMPLIANT	Construction phase complete
<b>NOISE CONTROLE (SEMP – 21)</b>				
Equipment used in the operation of the facility must be kept in good state of maintenance so that noise is minimized.	5	-	COMPLIANT	Construction phase complete
Noise of construction vehicles will only be heard during the working hours.	5	-	COMPLIANT	Construction phase complete
No loud music may be allowed on site,	5	-	COMPLIANT	Construction phase complete
Construction activities must be restricted to 07:00 – 17:00 Mondays to Saturdays.	5	-	COMPLIANT	Construction phase complete
<b>CONTROL OF DUST AND OR WIND BLOWN SAND (SEMP – PG 21)</b>				

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
The liberation of dust into the surrounding environment must be effectively controlled by the use of water spraying.	5	-	COMPLIANT	Construction phase complete
Any material spilled in the direct vicinity of the site must be cleared.	5	-	COMPLIANT	Throughout the construction phase the site and the surrounding area was kept neat. Construction phase complete
<b>FIRE PREVENTION AND CONTROL (SEMP – PG. 21)</b>				
No open fires anywhere on site	5	-	COMPLIANT	Construction phase complete
No smoking within the vicinity of flammable substances. Allocated area.	5	-	COMPLIANT	Construction phase complete
Firefighting equipment available on site	5	-	COMPLIANT	Construction phase complete
Training should be provided	5	-	COMPLIANT	Construction phase complete
Ensure employees are aware of emergency response plan.	5	-	COMPLIANT	Construction phase complete
<b>EARTHWORKS/ EXCAVATIONS (SEMP- PG. 22)</b>				
Amendment made to the installation of tanks. Approval received from Fire and Rescue	5	-	COMPLIANT	Construction phase complete
Location and protection of any utility installations near the excavation before opening the excavation;	5	-	COMPLIANT	Construction phase complete
The excavated material will be stockpiled in a safe manner, with sufficient clearance between the edge of excavation and the edge of the stockpile.	5	-	COMPLIANT	Construction phase complete
The soil conditions must be monitored throughout the excavation process to ensure that the measures stipulated in the excavation design are sufficient.	5	-	COMPLIANT	Construction phase complete
Means of preventing exposure of employees to hazardous fumes from the excavation;	5	-	COMPLIANT	Construction phase complete
Barricading netting will be placed around the tank farm to ensure that no persons enter the excavation area by accident. The barricaded area will be inside the construction camp area and will thus not be accessible by the public.	5	-	COMPLIANT	Construction phase complete and all barricading and related infrastructure was removed.

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Monitoring wells will be installed to ensure that any liquids in the tank farm would be detected. Washed river sand will be used to backfill around and on top of the tanks.	5	-	COMPLIANT	SEMP was well executed Construction phase completed.
A 150mm concrete slab will be placed around the manholes, above the tanks. Above this slab, the rest of the excavation will be backfilled with selected, compacted material.	5	-	COMPLIANT	SEMP was well executed. Construction phase complete
The stockpiled material will be removed prior to the completion of the project.	5	-	COMPLIANT	SEMP was well executed Construction phase complete
<b>FAUNA AND FLORA (SEMP- PG.23)</b>				
The site manager must ensure no fauna is caught killed, harmed, sold or played with,	5	-	COMPLIANT	Construction phase complete
Workers must be instructed to report any animals that may be trapped in the working area,	5	-	COMPLIANT	Construction phase complete
No snares may be set or nests raided for eggs or young.	5	-	COMPLIANT	Construction phase complete
The removal of vegetation must be restricted to the approved footprint area, and the two blue gum trees.	5	-	COMPLIANT	Construction phase complete
Vegetation may only be removed immediately prior to the construction activities	5	-	COMPLIANT	Construction phase complete
<b>WASTE MANAGEMENT (SEMP- PG. 24)</b>				
General waste and hazardous waste separation must be conducted on site.	5	-	COMPLIANT	Construction phase complete
Where possible, waste must be reduced, reused.	5	-	COMPLIANT	Construction phase complete
Disposal of all general waste must be undertaken by the local council.	5	-	COMPLIANT	Construction phase complete
A skip will be placed for the collection of general waste.	N/A	N/A	N/A	Construction phase complete
Waste disposal spreadsheets to be completed throughout construction-, operational and decommissioning phases and proof of safe disposal filed for auditing purposes.	N/A	N/A	N/A	No records were kept as the contractor removed all waste on a daily basis. Construction phase complete.
<b>SITE CLEAN UP AND REHABILITATION (SEMP- PG. 23-24)</b>				
The site must have a neat appearance and be kept in good condition at all times,	5	-	COMPLIANT	Construction phase complete and the site is in a very neat and acceptable manner.

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Construction equipment must be stored neatly in dedicated areas when not in use,	5	-	COMPLIANT	All equipment and infrastructure was removed from site, Construction phase complete
Waste material and building rubble must be removed upon rehabilitation to minimize the visual impact on the aesthetic value of the area.	5	-	COMPLIANT	Construction phase complete and site is in a very neat and acceptable manner.
<b>OTHER RELATED APPROVAL CONDITIONS</b>				
Retail supply of fuel / oil and ancillary shops only	N/A	N/A	N/A	Construction phase complete
Minimum of 41 permanent demarcated on-site parking bays be provided on the property.	5	-	COMPLIANT	Construction phase complete and all the parking bays were re designed and painted. Open to the public.
Service station to be implemented in accordance with site development plan.	5	-	COMPLIANT	Construction phase complete
No parking delivery, loading or unloading of goods be permitted in abutting road reserves.	5	-	COMPLIANT	Construction phase complete
SEMP submitted for approval prior to earthworks or construction commencing.	5	-	COMPLIANT	Construction phase complete
ECO appointed to monitor compliance during construction – fortnightly.	5	-	COMPLIANT	Greenmined was appointed for the duration of construction. Construction phase is now completed. This report serve as the final report.
Any alterations or deviations to electricity services necessary as a consequence of the proposed service station will be for the developer's cost.	5	-	COMPLIANT	Construction phase complete
The applicant must make use of the existing electricity supply.	5	-	COMPLIANT	Construction phase complete
Detailed engineering drawing if required for internal services shall be submitted for approval prior to commencement of any works.	5	-	COMPLIANT	Construction phase complete
A single connection water and sewer permitted to property.	5	-	COMPLIANT	Construction phase complete
All services shall be inspected by the city, and completion certificate be obtained from the developers appointed engineer.	5	-	COMPLIANT	Construction phase complete
Solid waste management plan to be submitted prior to building plan submission.	N/A	N/A	N/A	Construction phase complete
Developer shall make good on any damage to the environment caused as a result of non-compliance.	5	-	COMPLIANT	Construction phase complete



## COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S

No written environmental related complaints were received during the audit period from February – March 2021.

## AUDITING OF APPROVALS, SEMP AND REPORTING THEREOF

### (REGULATION 34):

<b>EAR/EPA compiled by independent person with environmental auditing expertise:</b>	The EAR was compiled by Mrs. Murchellin Saal from Greenmined Environmental.
<b>Potential and registered I&amp;AP's</b>	The audit report is available on site and can also be viewed by I&AP's on the website <a href="http://www.Greenmined.com">www.Greenmined.com</a> .

## GENERAL REPORT

Compliance of the construction for the Goedemoed service station with the SEMP approved by City of Cape Town on 27<sup>th</sup> of October was reviewed during the site assessment. The conditions set out in the approval was included and forms part of the ECO report.

The Construction site recorded a compliance score of 99% for the final inspection on the 31<sup>st</sup> of March 2021.

An approval from City of Cape Town - Tribunal was received on the 20<sup>th</sup> of August 2020. The conditions set out in the approval was included and forms part of the ECO report.

The Consent use and amendment of conditions application was approved on 24 July 2019. The conditions set out in the approval was included and forms part of the ECO report.

#### Inspection Dates:

- 1<sup>st</sup> inspection – 28<sup>th</sup> of January 2021 - Report submitted to H&EM and placed on website: [www.Greenmined.com](http://www.Greenmined.com)
- 2<sup>nd</sup> inspection 3<sup>rd</sup> of February 2021 & 3<sup>rd</sup> inspection 24<sup>th</sup> of February 2021 - a Combined report submitted to H&EM and placed on website: [www.Greenmined.com](http://www.Greenmined.com)
- 4<sup>th</sup> inspection 9<sup>th</sup> of March 2021 – This report was submitted separately
- 5<sup>th</sup> and final inspection on 31<sup>st</sup> of March – This report was submitted separately to H&EM and placed on website:

An amendment was done and approved by Fire and Rescue. Mr. André Moolman  
Platoon Commander – Fire & Life Safety Northern/Tygerberg  
Fire & Rescue Service on the 28<sup>th</sup> of February 2021 via email correspondence.

#### Amendment:

- A brick wall will be built around the tank manhole. This will only extend to below top of concrete level and will therefore be buried underneath the surface.
- The polythene sheet is being omitted due to supplier issues. More on this below.
- Only 1x 150mm river sand layer will be placed underneath the tanks. More on this below.
- The vent stack is not visible in the section, as it was only schematic before. It will be placed on the building and therefore doesn't form part of the sectional view in the drawing program.
- Although the new section refers to Manhole A, with ULP 95, both tanks will be installed in the exact same manner.

#### Installation of Tanks

The tanks will be placed on a 1 x 150mm layer of river sand. Only washed river sand will be used as bedding directly around the tanks. The tanks are pressure tested in-situ prior to backfilling to ensure a water-tight installation.

A concrete slab will be cast over the tanks, on a river sand bedding. A brick wall will be constructed around the tank manhole and selected material will be used to backfill around the tank manhole.

**DOCUMENT CHECKLIST: SITE FILE**

- Consent approval - Present
- Tribunal approval letter- - Present
- Site Environmental Management Plan - Present
- Clients request for amendment on tank installations was submitted to Fire and Rescue – approval email received and filed.
- Amendment notification sent to H&EM telephonically, Mrs. K Matthee confirmed construction may continue and that a formal response will be send in due time.
- Confirmation of Contractors - Present
- Awareness of SEMP/approval Conditions - Present
- Environmental Induction and Awareness Training - Present
- Letter of Enactment to E&HM - Present
- Emergency Preparedness Plan - Present
- Complaints Register - Present
- Waste Registers - Present
- Reporting of Environmental Incidents - Present
- Incidents and Accidents Register - Present
- Environmental Audit Report - Present

**MATTERS TO BE ADDRESSED ON SITE:**

1. Due to the rain it was noticeable that a section close to the entrance side was not sloped properly and therefore the water could not flow away which resulted in a puddle.

**ABILITY OF SEMPR TO ADEQUATELY MANAGE OR MITIGATE ENVIRONMENTAL IMPACTS (**

It is believed that the SEMPR currently adequately manage and/or mitigate environmental impacts at the Goedemoed service station- construction site.

**NEED FOR AMENDMENT OF THE SEMPR:**

An addendum request for the installation of tanks were sent to the Fire and Rescue and H&EM. An approval was received from fire and rescue on the 28<sup>th</sup> of January 2021.

H&EM Mrs.K Matthee Comments: This department will add the updated tank design as an addendum to the approved SEMP. Building plan approval for the amendment of the design details for the tank installation must be sought from the Building Development Department prior to installation.

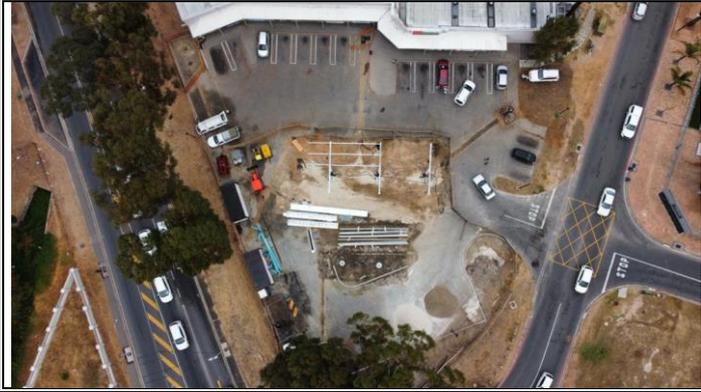
NB: Should any environmental damage occur due to this omission; the developer is to immediately make good on the environmental impact.

**ECO SIGNATURE**

NAME:	SIGNATURE:	DATE:
Murchellin Saal		5 April 2021

**PHOTOGRAPHS: PRE CONSTRUCTION**

**AREAL PHOTOGRAPHS**



**ACCESS ROAD TO GOEDEMOED SHOPPING CENTER AND SERVICE STATION**



**ALL PARKING BAYS WERE OPEN TO THE PUBLIC**



**CHEMICAL TOILET – WAS REMOVED ON THE SAME DATE**



**EXCAVATOR WAS REMOVED LATER THIS DAY**



**GOEDEMOED SERVICE STATION**





**CHANNELS SURROUNDING THE SERVICE STATION**  
**CHANNEL WITH GRID INLET CONNECTED STORMWATER DRAIN**



**CHANNEL WITH GRID INLET CONNECTED TO OIL SEPERATOR**



**OIL SEPERATOR DRAIN**



**STORAGE TANKS FITTED WITH TWO MAN HOLES AND FOUR MONITORING HOLES**



**DATA AND ELECTRICAL BOXES**



**DB BOX**



**AIR VENT PIPE**



**COMPRESSOR WILL BE INSTALLED**



**WALL OPENED FOR KIOSK**



**LANDSCAPING**



**PROOF OF INDUCTION TRAINING TO ALL EMPLOYEES**

