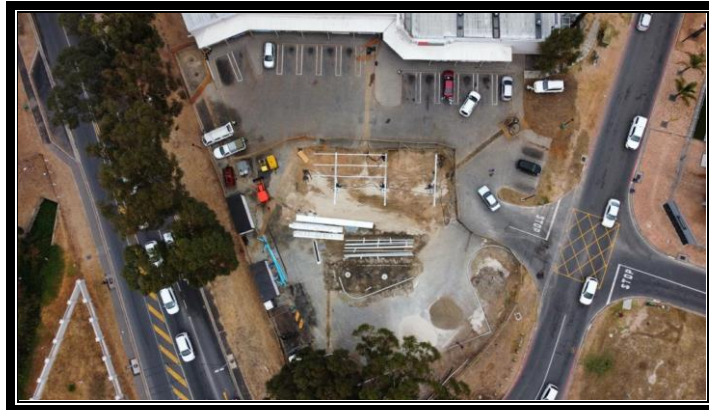


DEVELOPMENT OF A SERVICE STATION AND ASSOCIATED INFRASTRUCTURE ON ERF 10180 LOCATED AT NUMBER 28 GOEDEMOED WEG, DURBANVILLE, WESTERN CAPE PROVINCE.

ENVIRONMENTAL AUDIT REPORT



CASE NUMBER:	70455672
AUDIT PERIOD:	9 March 2021

PREPARED FOR:

Infrastructure Consulting Engineers
Contact Person: Anton Van Zijl
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PREPARED BY:

Greenmined Environmental
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PROJECT SPECIFIC DETAIL

ITEM	GOEDEMOED SERVICE STATION
Company Name	Infrastructure Consulting Engineers
Contact Person	Mr. Anton Van Zijl
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ITEM	CONSULTANT DETAIL
Company Name	Greenmined Environmental
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Cell Number	079 979 8766
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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 ²

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1. ENVIRONMENTAL AUDIT REPORT

PROJECT DETAIL

Case number	70455672	Date of commencement:	28 January 2021
Site name:	Goedemoed service station	Inspection date:	9 March 2021
Applicant:	Infrastructure Consulting Engineers	Other authorisations:	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.
Report number:	3		

DETAIL OF AUDITOR

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

ECO:	Murchellin Saal
Expertise:	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.
Declaration of independence:	<p>I Murchellin Saal declare that –</p> <ul style="list-style-type: none"> • I act as independent environmental control officer in this compliance audit; • 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; • I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity; • I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations. • 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). <p></p> <p>Signature of ECO Date: 10 March 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.

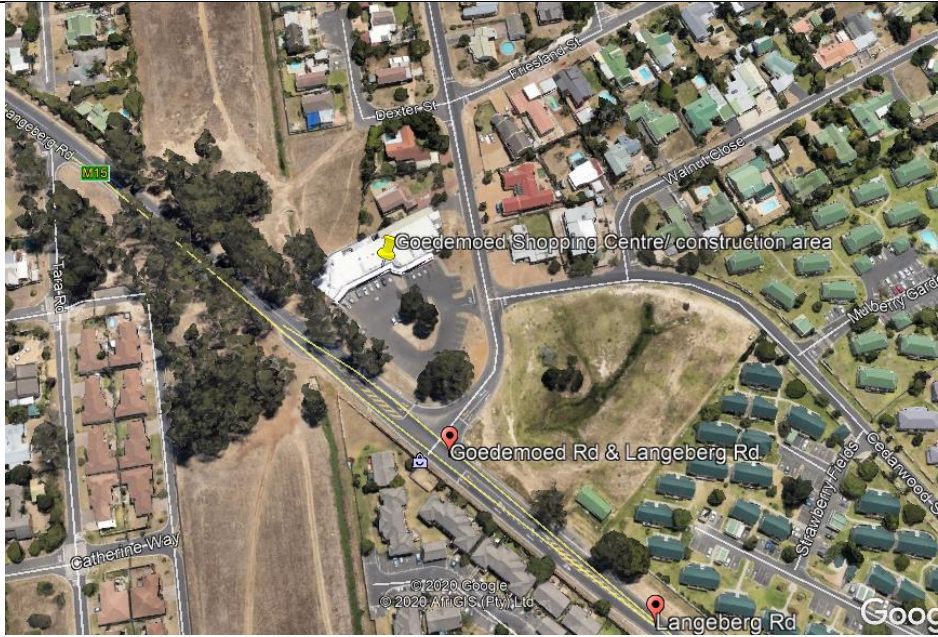
INSPECTED AREAS:

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

Site location:	The site is located on Erf 10180, Durbanville at number 28 Goedemoed Weg, Durbanville-Goedemoed Shopping Center, Using existing entrance to the Goedemoed Centre.	
Site map:		
Coordinates:	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

Warm and sunny weather conditions on both inspection dates 9 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	LOW – Mitigation not needed / mitigation measures to be maintained
2	MEDIUM – Mitigation should be considered
3	HIGH – Mitigation compulsory

INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
LEGISLATION COMPLIANCE:				
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 m³ (60 000 liters) of fuel in total (maximum 80 m³ 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&DP) Similarly, the site has no historic value and is smaller than 5000m², 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 approval received on the 16 October 2020. The implementation with be done throughout construction phase. Estimated start date March 2021.
PRE – CONSTRUCTION PLANNING PHASE				

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
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.
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 th 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	The site is well baracaded and signage boards were placed on the entire construction camp fence.
ENVIRONMENTAL EDUCATION AWARENES (SEMP- PG. 14)				
Workers provided with PPE	5	-	COMPLIANT	All workers wore the correct PPP.
Covid-19 health and safety precautions are being taken Wearing of masks, provision of hand sanitizer, checking of temperature etc. ""	5	-	COMPLIANT	All workers were informed of covid precautions and each employee wore a mask. The necessary precautions are met, sanitizer and temperature checks are done at the entrance gate for which a complete recording register is kept.
Training should be provided in the use of the appropriate fire-fighting equipment;	5	-	COMPLIANT	Health and safety officer provides weekly toolbox talks.
Environmental site procedures communicated to staff on weekly basis	5	-	COMPLIANT	The construction team were all inducted with the procedures in SEMP. From here on the health and safety officer will be responsible for toolbox trainings and is on site every day.
In addition, training should include basic first aid and firefighting and spill clean-up training (to appointed representatives).	5	-	COMPLIANT	Construction company confirmed all workers have received training in this regard.
Construction team must be aware of the SEMPR with a basic understanding.	5	-	COMPLIANT	All employees on site were inducted and understands the requirements of SEMP. Employees were also made aware of the site file which is available at manager if they are unsure of anything. The Environmental Induction training sheet is also available and will be placed on the container close to the eating area for easy access.

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
A refresher training course should be delivered annually to all staff (depending on appointments).	5	-	COMPLIANT	Toolbox trainings are done weekly. The inductions training sheet is available on the container easy access for all workers.
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	Proof of register in photo report. Documents are kept in site file at the site.
WORKER CONDUCT ON SITE (SEMP- PG 14, 16 & 21)				
Construction activities must be restricted to 07:00 – 17:00 Mondays to Fridays	5	-	COMPLIANT	
Saturday 7:00 – 15h00	5	-	COMPLIANT	
No work allowed on Sundays and Public Holidays	5	-	COMPLIANT	
All employees are aware of the boundaries of the facility, and that work stays within the approved area	5	-	COMPLIANT	A construction camp is clearly demarcated.
Make use of the toilet facilities in the shopping centre.	5	-	COMPLIANT	Contractor has arranged a chemical toilet which is sufficient for 15 workers per day. Another toilet for the art welding team was placed on site. Proof of toilets in photo report. Toilets are well kept.
Smoking only allowed in a dedicated smoking area.	5	-	COMPLIANT	The site has a designated smoking area in place.
Ensure availability of fire extinguishers and maintain regularly;	5	-	COMPLIANT	This is available on site.
No alcohol/drugs on site.	5	-	COMPLIANT	All workers were informed that no alcohol/drugs is permitted on site.
No excessive noise.	5	-	COMPLIANT	All workers were informed that no excessive noise is allowed.
No fires permitted on site.	5	-	COMPLIANT	All workers were informed that they are not allowed to make a fire.
MAINTANANCE OF ACCESS AND HAULAGE ROADS (SEMP PG 14)				
Access roads maintained in good condition- any material spilled in the direct vicinity of the site will be cleared.	5	-	COMPLIANT	Contractor will be responsible for any waste within the proximity of the access to site and the langeberg road. During both inspection dates the site and access roads were clean and well kept.
Speed on access road 40km/h for construction vehicles.	5	-	COMPLIANT	Due to the short distance from the langeberg road, it is guaranteed that no speed limits will be exceeded.
Construction vehicles restricted to demarcated areas.	5	-	COMPLIANT	During inspection it was clear that all construction vehicles were parked within the demarcated construction camp.
No parking delivery, loading or unloading of goods be permitted in abutting road reserves.	5	-	COMPLIANT	All activities relating to the construction is done within the construction camp.

SITE DEMARCATION & NO GO (SEMP – PG. 15)				
Site management must ensure that the construction area is fenced and all associated activities operate within the approved boundary.	5	-	COMPLIANT	Construction camp is demarcated and clearly marked. All activities takes place within the demarcated area.
MAINTANANCE OF CONSTRUCTION CAMP (SEMP – PG. 15)				
The Contractor must ensure that all litter is disposed of in bins and/or skips.	5	-	COMPLIANT	The construction camp uses waste bins which has proven to quite effective.The Contractor removes general waste on a daily basis.
Proof of skips emptied must be regularly must be kept and submitted to ECO.	N/A	N/A	N/A	No skips are used on site. However the contractor does make use of two waste bins. Contractor removes waste daily, therefore no skips are necessary.
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	Workers has an allocated sitting area where they eat and also a designated smoking area. The entire camp was clean at both inspection dates.
Signage boards	5	-	PARTIALLY COMPLIANT	The site is clearly marked with all the appropriate signage baords all around the construction camp.
ABLUTION & EATING FACILITIES (SEMP – PG. 16)				
Contractor to ensure workers makes use of the abluion facilities.	5	-	COMPLIANT	Two chemical toilets one for construction team and one for art welding team is available on site, refer to Photo report
Allocate a eating area to workers	5	-	COMPLIANT	An eating area is allocated.
HEALTH AND SAFETY (SEMP – PG. 16)				
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	A health and safety officer is on site daily.
Site Manager to ensure compliance with PUMA's Health and Safety / Emergency Plans / Procedures / Manuals; and	5	-	COMPLIANT	A health and safety officer is on site daily.
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	A health and safety officer is on site daily.
The contractor must ensure all workers leave the construction site at the end of the work shift.	5	-	COMPLIANT	A health and safety officer is on site daily.
No unauthorized persons may enter the construction area without prior arrangement and approval from site management.	5	-	COMPLIANT	A health and safety officer is on site daily.

No worker may wander from the site.	5	-	COMPLIANT	A health and safety officer is on site daily.
MATERIAL HANDLING, USE AND STORAGE (SEMP – PG. 17)				
Any material spilled in the direct vicinity of the site will be cleared.	5	-	COMPLIANT	At the time of inspection there was no spillage, however during induction all the workers were informed of the process should any spillages occur.
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	A container serves as the storage facility.
Ensure that potentially harmful materials are properly stored in a dry, secure environment, with concrete or sealed flooring.	5	-	COMPLIANT	All materials are stored in a storage container.
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	
The management of such storage facilities and means of securing them shall be agreed.	5	-	COMPLIANT	
PLANT AND FUEL HANDLING (SEMP – PG. 18)				
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	A spill kit is available on site.
Do not allow smoking in the forecourt and workshop area.	5	-	COMPLIANT	The site has a designated smoking area.
All small machinery used on site must be situated on a drip tray (i.e. Pumps, generators, compressors etc.)	5	-	COMPLIANT	Generators were equipped with drip trays.

HOUSEKEEPING (SEMP – PG. 18)				
Site Manager to ensure day-to-day compliance with the guidelines as stipulated in the SEMP.	5	-	COMPLIANT	
Site Manager to ensure day-to-day compliance with the guidelines as stipulated in the SEMP.	5	-	COMPLIANT	
The site must have a neat appearance and be kept in good condition at all times, Site free of day-to-day litter.	4	2	PARTIALLY COMPLIANT	Housekeeping at the time of inspections was not up to standard and the contractor was asked to clear the litter..
Skips must be cleaned and removed by the appointed skips contractor.	5	-	COMPLIANT	Even though no skips are used the waste bins are deemed sufficient as no waste or rubble was visible. Contractor also removes waste on a daily basis.
Compliance to be monitored by the independent Environmental Control Officer during the fortnightly environmental audit.	5	-	COMPLIANT	Thus far three inspections were conducted to date.
Roads around the site are to be swept on a regular basis.	5	-	COMPLIANT	Contractor is well informed on the cleaning within close proximity of site.
EMERGENCY PROCEDURES (SEMP – PG. 19)				
All incidents and emergencies must be addressed in line with the Emergency Response Plan for the site.	5	-	COMPLIANT	A section in the site file is available for any and all incidents. Thus far no incidents were reported.
All incidents (fires, explosions, spillages, leakages, crimes) must be reported immediately to PUMA ENERGY; and	5	-	COMPLIANT	A complete list with response numbers for the Durbanville area is available in site file. This is also available in the site office notice board.
Record(s) of incidents should be maintained and communicated to PUMA ENERGY.	5	-	COMPLIANT	Thus far no incidents have been reported.
A contact list must be in placed at the site in order to contact Emergency Response as it is required.	5	-	COMPLIANT	
HAZARDOUS SUBSTANCES (SEMP – PG. 19)				
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	Hazardous waste is very minimal but is disgarded in the oil spil kits when applicable.
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	Hazardous waste is very minimal but is disgarded in the oil spil kits when applicable.

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	A Spill kit is available on site.
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	
EFFLUENT HANDLING (SEMP PG. 20)				
No fuels/ oils must be allowed to discharge directly into storm water pipes or drains and sewage manholes/pipes;	5	-	COMPLIANT	A oil separator is installed and can be seen in photo report..
Litter blocking the storm water system must be removed	5	-	COMPLIANT	The stormwater pipes are installed. When the operation starts the workers should be well informed on removing litter from the stormwater channels.
STORMWATER /EROSION MANAGEMENT (SEMP – PG. 20)				
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	
Storm water should be directed around the construction area.	5	-	COMPLIANT	
NOISE CONTROL (SEMP – 21)				
Equipment used in the operation of the facility must be kept in good state of maintenance so that noise is minimized.	5	-	COMPLIANT	
Noise of construction vehicles will only be heard during the working hours.	5	-	COMPLIANT	
No loud music may be allowed on site,	5	-	COMPLIANT	
Construction activities must be restricted to 07:00 – 17:00 Mondays to Saturdays.	5	-	COMPLIANT	During inspection on 9 March the staff conducted themselves in a well behaved manner.
CONTROL OF DUST AND OR WIND BLOWN SAND (SEMP – PG 21)				
The liberation of dust into the surrounding environment must be effectively controlled by the use of water spraying.	5	-	COMPLIANT	At the time of inspection there were no dust.
Any material spilled in the direct vicinity of the site must be cleared.	5	-	COMPLIANT	No spills noticed during inspection.
FIRE PREVENTION AND CONTROL (SEMP – PG. 21)				
No open fires anywhere on site	5	-	COMPLIANT	All workers were informed during induction meeting.
No smoking within the vicinity of flammable substances. Allocated area.	5	-	COMPLIANT	A designated area is allocated for smoking.
Firefighting equipment available on site	5	-	COMPLIANT	Firefighting equipment is available.

Training should be provided	5	-	COMPLIANT	Induction was done, toolbox training is done weekly. A health and safety officer is also available on site every day.
Ensure employees are aware of emergency response plan.	5	-	COMPLIANT	All workers are well informed. The emergency numbers and protocols is also available in site file.
EARTHWORKS/ EXCAVATIONS (SEMP- PG. 22)				
Amendment made to the installation of tanks. Approval received from Fire and Rescue	5	-	COMPLIANT	H&EM were notified of the amendment and approval email received from fire and rescue, it was confirmed by Kim Mathee that the process may continue and that a formal response will be sent in due time. Tanks are installed, tested and compacted.
Location and protection of any utility installations near the excavation before opening the excavation;	5	-	COMPLIANT	
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	Excavated material cleared on a weekly basis.
The soil conditions must be monitored throughout the excavation process to ensure that the measures stipulated in the excavation design are sufficient.	5	-	COMPLIANT	
Means of preventing exposure of employees to hazardous fumes from the excavation;	5	-	COMPLIANT	
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	At the time of installation of tanks the tanks were baracaded. The tanks are now installed, tested and compacted and covered.
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	Monitoring wells are installed and the area is filled with river sand.
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	This will be implemented shortly.
The stockpiled material will be removed prior to the completion of the project.	5	-	COMPLIANT	Stockpile area is cleared weekly of any unecessary excavated materials.
FAUNA AND FLORA (SEMP- PG.23)				
The site manager must ensure no fauna is caught killed, harmed, sold or played with,	5	-	COMPLIANT	All the workers were well informed during induction prior to construction.

Workers must be instructed to report any animals that may be trapped in the working area,	5	-	COMPLIANT	
No snares may be set or nests raided for eggs or young.	5	-	COMPLIANT	
The removal of vegetation must be restricted to the approved footprint area, and the two blue gum trees.	5	-	COMPLIANT	
Vegetation may only be removed immediately prior to the construction activities	5	-	COMPLIANT	
WASTE MANAGEMENT (SEMP- PG. 24)				
General waste and hazardous waste separation must be conducted on site.	5	-	COMPLIANT	There is separate bins for separate waste ensuring waste does not get mixed.
Where possible, waste must be reduced, reused.	5	-	COMPLIANT	
Disposal of all general waste must be undertaken by the local council.	5	-	COMPLIANT	
A skip will be placed for the collection of general waste.	N/A	N/A	N/A	The site does not make use of skips, the use of waste bins has been deemed sufficient. Waste is also removed daily by the contractor themselves.
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 waste registers have this far been recorded as the waste is removed by contractor on a daily basis.
SITE CLEAN UP AND REHABILITATION (SEMP- PG. 23-24)				
The site must have a neat appearance and be kept in good condition at all times,	4	2	PARTIALLY COMPLIANT	The site is generally clean and tidy. However during the 9 th March inspection the contractor was asked to clear some plastic bottles lying around.
Construction equipment must be stored neatly in dedicated areas when not in use,	5	-	COMPLIANT	All equipment was neatly stored in container.
Waste material and building rubble must be removed upon rehabilitation to minimize the visual impact on the aesthetic value of the area.	5	-	COMPLIANT	The contractor removes rubble and waste material on a weekly basis.
OTHER RELATED APPROVAL CONDITIONS				
Retail supply of fuel / oil and ancillary shops only	N/A	N/A	N/A	Not applicable during construction phase.
Minimum of 41 permanent demarcated on-site parking bays be provided on the property.	5	-	COMPLIANT	Construction camp is the only area permitted to work in the other parking bays will not be disturbed.
Service station to be implemented in accordance with site development plan.	5	-	COMPLIANT	This document included in site file.
No parking delivery, loading or unloading of goods be permitted in abutting road reserves.	5	-	COMPLIANT	All activities relating to construction is done within the boundaries of the construction camp.

SEMP submitted for approval prior to earthworks or construction commencing.	5	-	COMPLIANT	SEMP approved on the 27th of October and included in the site file. workers will be informed of this document. And amendment was submitted to Kim Matthee and approved by Fire and rescue. Currently awaiting formal response from H&EM.
ECO appointed to monitor compliance during construction – fortnightly.	5	-	COMPLIANT	Greenmined is the appointed ECO and will conduct Environmental Audits fortnightly, reports will be made available to H&EM at the end of each month.
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	
The applicant must make use of the existing electricity supply.	5	-	COMPLIANT	Please refer to photo report.
Detailed engineering drawing if required for internal services shall be submitted for approval prior to commencement of any works.	5	-	COMPLIANT	
A single connection water and sewer permitted to property.	5	-	COMPLIANT	
All services shall be inspected by the city, and completion certificate be obtained from the developers appointed engineer.	5	-	COMPLIANT	
Solid waste management plan to be submitted prior to building plan submission.	N/A	N/A	N/A	The application, is less than 500square meter, therefore you do not have to submit a waste management plan.
Developer shall make good on any damage to the environment caused as a result of non-compliance.	5	-	COMPLIANT	.

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):

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

GENERAL REPORT

Compliance of the construction for the Goedemoed service station with the SEMP approved by City of Cape Town on 27th 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 98% for the month of March 2021.

An approval from City of Cape Town - Tribunal was received on the 20th 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:

- 1st inspection – 28th of January 2021 - Report submitted to H&EM and placed on website: www.Greenmined.com
- 2nd inspection 3rd of February 2021 & 3rd inspection 24th of February 2021 - a Combined report submitted to H&EM and placed on website: www.Greenmined.com
- 4th inspection 9th of March 2021 – This report was submitted separately

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 28th 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. Client to ensure drip trays are used under small machinery used on site..

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 28th 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		10 March 2021

PHOTOGRAPHS: PRE CONSTRUCTION

ACCESS ROAD TO CONSTRUCTION / GOEDEMOED SHOPPING CENTER



THE TWO BLUEGUM TREES WERE REMOVED PRIOR TO CONSTRUCTION



AVAILABLE PARKING AREA PRIOR TO CONSTRUCTION PHASE



AVAILABLE PARKING DURING CONSTRUCTION PHASE



WALK IN ENTRANCE GATE TO CONSTRUCTION AREA

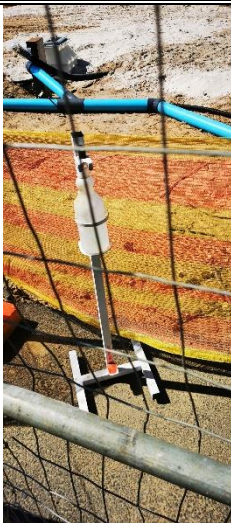


DRIVE IN ENTRANCE GATE TO CONSTRUCTION AREA



COVID 19 PRECAUTIONS

HAND SANITIZER AND TEMPERATURE READING REGISTER AT ENTRANCE



REGISTER OF TEMPERATURE READINGS



CHEMICAL TOILET SUFFICIENT FOR 15 WORKERS - CONTRACTOR



CHEMICAL TOILET SUFFICIENT FOR 15 WORKERS - ART WELDING TEAM



DESIGNATED SMOKING AND EATING AREA



CONSTRUCTION CAMP AREA ON 3 MARCH 2021



SIGNAGE BOARDS CLEARLY VISIBLE





STORAGE TANKS INSTALLED AND TESTED, COMPACTED WITH RIVER SAND AND FITTED WITH TWO MANHOLES AND FOUR MONITORING HOLES



CANOPY INSTALLATION UNDERWAY BY ART WELDING





TWO FILLER PODS – FUEL TRUCKS WILL CONNECT DIRECTLY TO FILLER PODS TO REFILL STORAGE TANKS

OIL SEPERATOR TANK INCLUDES TWO MANHOLES



TWO MAN HOLES FOR OIL SEPERATOR TANK



DRAIN CONNECTED TO OIL SEPERATOR



OIL SEPERATOR CHANNEL LEADING TO OIL SEPERATOR TANK



LOADING AREA WITHIN THE BOUNDARIES OF CONSTRUCTION CAMP



SITE OFFICE CONTAINER



STORAGE CONTAINER



MATERIAL STOCKPILES



HOUSEKEEPING – RUBBLE TO BE CLEARED



WASTE BINS



OIL SPILL KIT



MANHOLE ON SITE



FIRE EXTINGUISHER



VENT PIPES



SMALL MACHINERY



ELECTRICAL INSTALLATIONS COMPLETED



DATA AND ELECTRICAL BOXES



END OF REPORT - 9th OF MARCH 2021