ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	03-04-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Foundations have been laid for the pumphouse. Preparation is underway for the walls to be cast. T4/5: Foundations have been laid for the pumphouse. Preparation is underway for the walls to be cast. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	Pending	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)

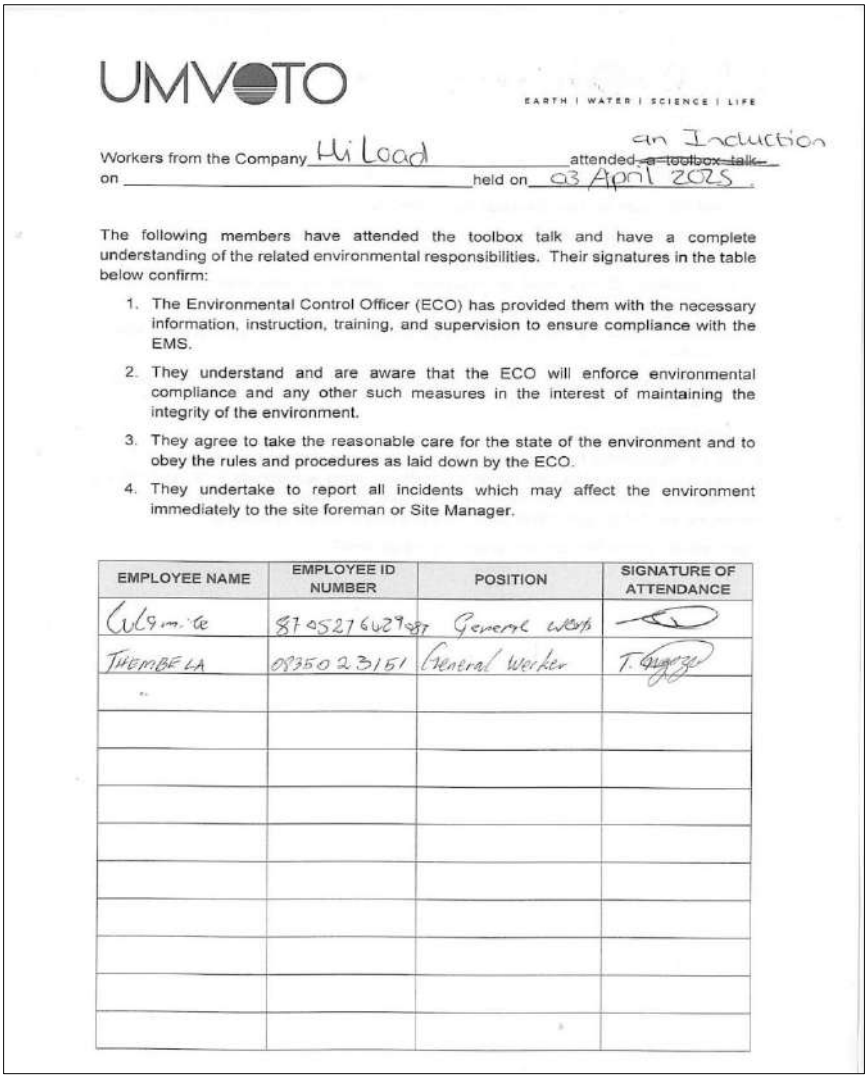


(b)



03-04-2025 09:30 – HAV1 Repl. (a) and T4/5 (b) have been satisfactorily setup and the site areas are neat.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025. Two new staff members were given training on the 03-04-2025 by the Site ECO.



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Workers from the Company Hi Load attended ~~a toolbox talk~~ an Induction
on _____ held on 03 April 2025

The following members have attended the toolbox talk and have a complete understanding of the related environmental responsibilities. Their signatures in the table below confirm:

1. The Environmental Control Officer (ECO) has provided them with the necessary information, instruction, training, and supervision to ensure compliance with the EMS.
2. They understand and are aware that the ECO will enforce environmental compliance and any other such measures in the interest of maintaining the integrity of the environment.
3. They agree to take the reasonable care for the state of the environment and to obey the rules and procedures as laid down by the ECO.
4. They undertake to report all incidents which may affect the environment immediately to the site foreman or Site Manager.

EMPLOYEE NAME	EMPLOYEE ID NUMBER	POSITION	SIGNATURE OF ATTENDANCE
Welcome	8705216029087	General work	
THEMBELA	0835023151	General Worker	T. Gqweza

03-04-2025 09:30 – EATC register for new staff inducted on the 03-04-2025.

The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented. The ECO has sent the Contractor a copy of the EATC for their records and requested it be added into the site file.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are still on until a decision on the Environmental Authorisation Part 1 Amendment has been provided by DEA&DP.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented. Fencing was still being completed at HAV1 Repl. and T4/5 at the time of the inspection.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) 03-04-2025 09:30 – Both HAV1 Repl. (a) and T4/5 (b) have been demarcated with fencing.				
Where environmentally sensitive areas are specified as “no-go” areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	Yes	No	N/A	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	Yes	No	N/A	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	Yes	No	N/A	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	Yes	No	N/A	The access road to HAV1 Repl. has been repaired by the Contractor to allow better access for construction vehicles. It is noted that the road was in poor condition prior to the Contractor starting the work.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **03-04-2025 09:30 – The access road to HAV1 Repl. has been repaired.**				
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	**Yes**	**No**	**N/A**	Correctly implemented.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	**Yes**	**No**	**N/A**	No directional signage is currently required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Eating Areas				
The Contractor has designated eating areas within the approved camp.	**Yes**	**No**	**N/A**	Partial Compliance. This is correctly implemented at the site camp at T4/5. However, there is no defined eating area for staff at HAV1 Repl. The Contractor has been requested to define an eating area at HAV1 Repl.

(a)



(b)



03-04-2025 09:30 – Staff do not have an appropriate area for eating and storing of personal belongings at HAV1 Repl. (a) and (b). Their bags pose a risk of attracting baboons in the area to site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals. Note: Baboons are known to be in the HAV1 Repl. area but staff at HAV1 Repl. do not have an eating area/place to store bags away from baboons. The ECO has requested that staff bags are placed in a storage container to prevent attracting baboons to the area.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material have been stored in a fenced off area next to the Contractors site camp. Some materials are stored adjacent to the working area at HAV1 Repl. on a previously disturbed area.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel and cement are available in the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. There are no hazardous substances at HAV1 Repl. Diesel and cement are stored in the container at site camp.

(a)



(b)



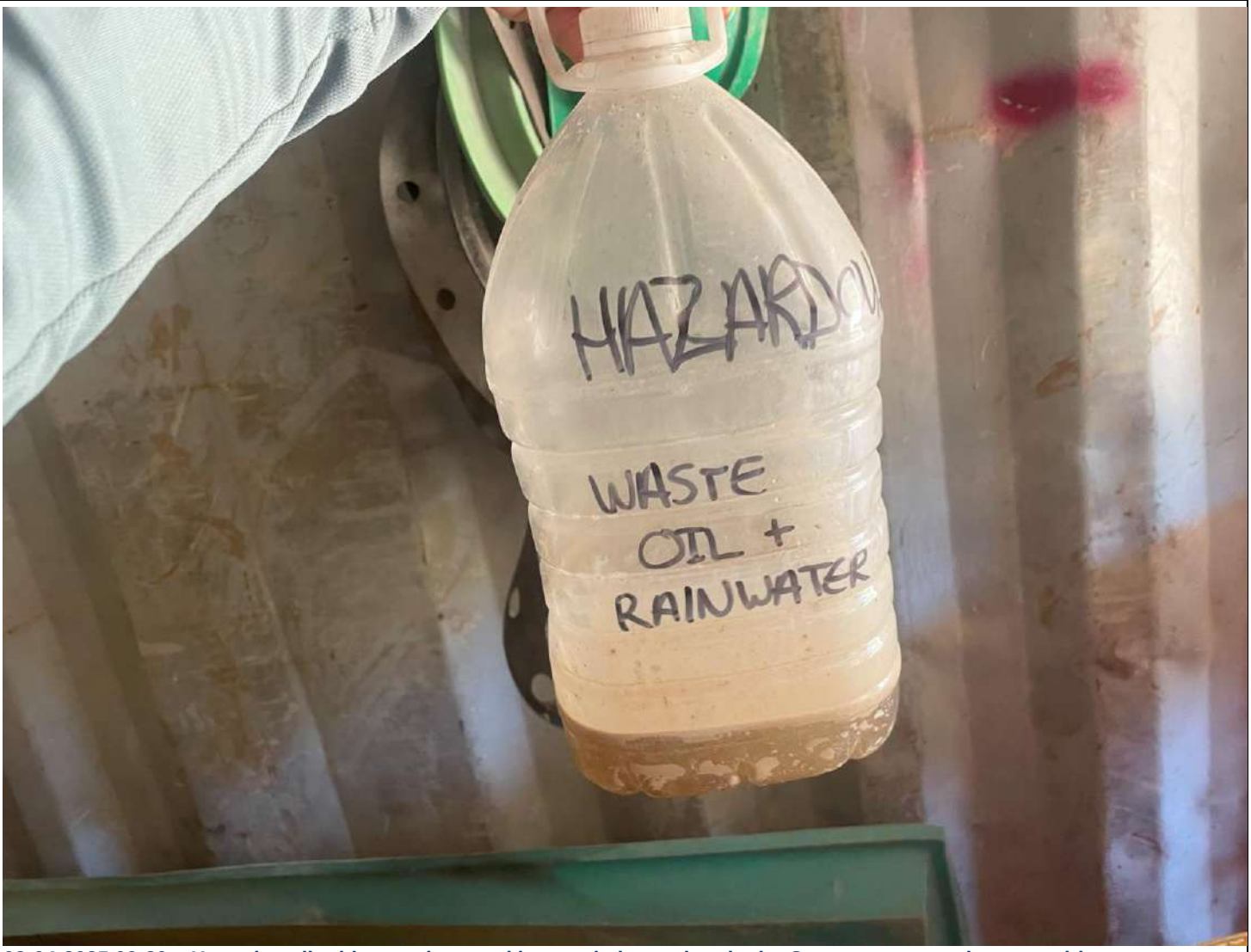
03-04-2025 09:30 – Hazardous liquids are stored atop a drip tray in the container at the site camp (a). An empty fuel drum is being kept inside the storage container at T4/5 to store solid hazardous waste should it be required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	Correctly implemented.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	Correctly implemented.



03-04-2025 09:30 – A drip tray has been placed beneath a generator onsite at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	Correctly implemented. The leaking excavator was removed from site for repairs.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Correctly implemented. The oil and rainwater from the drip tray beneath the excavator arm has been stored in a secure container until it can be disposed of as hazardous waste.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **03-04-2025 09:30 – Hazardous liquid waste is stored in a sealed container in the Contractors container on a drip tray.**				
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing has occurred.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	Concrete is brought to site in trucks, no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	Correctly implemented. Waste water from tool washing is contained within a water drum onsite. See below.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	**Yes**	**No**	**N/A**	No sump has been dug, the Contractor is washing tools in a water drum at the site camp.



03-04-2025 09:30 – Cement covered tools are washed in a drum at the site camp.

Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	**Yes**	**No**	**N/A**	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	**Yes**	**No**	**N/A**	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	**Yes**	**No**	**N/A**	There are no empty cement bags onsite as concrete is brought to site in trucks.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	**Yes**	**No**	**N/A**	Correctly implemented. The ECO was not present for the pouring of cement. No spillage was observed during the inspection. During concrete works at HAV1 Repl. the Contractors cement mix was poured into the foundations. Once poured it was realised that the cement mix brought from the truck was not mixed in the correct ratio. The cement was deemed unsuitable for the pumphouse build and had to be removed whilst still wet (uncured). The Contractor dug all the cement out and placed it next to the borehole where it was allowed to cure. During the ECO inspection, the Contractor was breaking up the pile of now-cured concrete and placing it onto some plastic sheeting which will be disposed of as rubble when complete.



03-04-2025 09:30 – Contractors breaking up the pile of hard cement and placing it onto the plastic sheeting.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	The excess concrete pictured above will be disposed of once fully broken up. The Contractor will provide a waste disposal slip when complete.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	Yes	No	N/A	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	Yes	No	N/A	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	Correctly implemented at both sites. The toilet at HAV1 Repl. has been secured to the ground.



03-04-2025 09:30 – The toilet at HAV1 Repl. has been secured to prevent toppling and is locked from the outside.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole.
 **03-04-2025 09:30 – A temporary connection to the belowground pipeline has been made at the old HAV1 borehole to access water for construction at both sites.**				
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at both sites. There is an ash tray in the staff rest area at the site camp as well as an ash tray at HAV1 Repl.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented at both sites. There are currently three fire extinguishers at the site camp, all expiring in 03/2026, and one at HAV1 Repl. with the same expiry date.
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	**Yes**	**No**	**N/A**	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	**Yes**	**No**	**N/A**	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	**Yes**	**No**	**N/A**	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	**Yes**	**No**	**N/A**	No waste has been buried or dumped.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	**Yes**	**No**	**N/A**	There are no bins onsite. This has been outstanding since the 14-03-2025. The waste from HAV1 Repl. is being taken to the site camp at the end of each day. All general waste is being stored in the Contractors staff area in black bags. The Contractor has been requested to obtain bins for general, hazardous and recycling waste.



03-04-2025 09:30 – The general waste is stored in black bags behind a gate at the site camp.

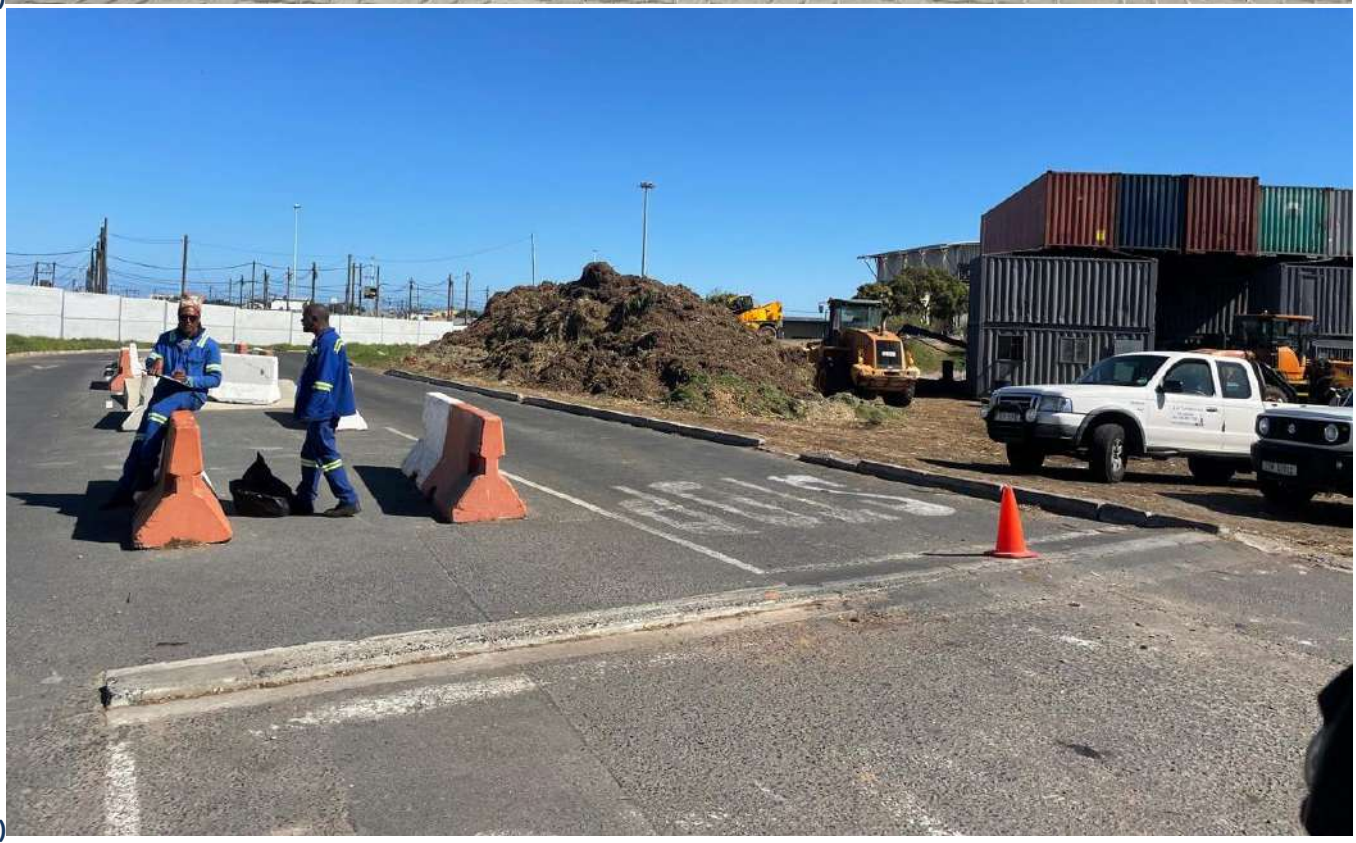
Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	As above.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Construction waste/spoil material is still to be disposed of at a licenced facility, and the disposal slip will be retained and provided to the ECO in due course.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities. The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



03-04-2025 10:30 – The ECO visited both the general (a) and green waste (b) facilities.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles yet.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental ("dos and don'ts") posters have been displayed at the site camp.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. During the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and a Rehabilitation Progress Report provided.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	Please see section “Solid Waste Management, Litter and Refuse” above.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	**Yes**	**No**	**N/A**	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	**Yes**	**No**	**N/A**	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	**Yes**	**No**	**N/A**	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	**Yes**	**No**	**N/A**	"No-go" areas have been fenced off suitably at both sites.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	**Yes**	**No**	**N/A**	There are currently no open trenches onsite.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	**Yes**	**No**	**N/A**	No excavations have been closed as yet.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	Correctly implemented.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Trenching has not begun yet.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	Trenching will not occur adjacent or next to a wetland or watercourse.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trenching has not begun yet.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	As above.
Clean water and dirty water systems are managed independently and be kept separately.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 03-04-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	10-04-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	11:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Foundations have been laid for the pumphouse. Preparation is underway for the walls to be cast. T4/5: Foundations have been laid for the pumphouse. Preparation is underway for the walls to be cast. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)



(b)



10-04-2025 11:00 – HAV1 Repl. (a) and T4/5 (b) have been satisfactorily setup and the site areas are neat. Shuttering for the casting of walls is underway.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025 and the 03-04-2025 by the Site ECO.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	Yes	No	N/A	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	Yes	No	N/A	Correctly implemented. The ECO has sent the Contractor a copy of the EATC for their records and requested it be added into the site file.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	Yes	No	N/A	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are still on hold until the appeal process is complete. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	Yes	No	N/A	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	Yes	No	N/A	Correctly implemented.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	Yes	No	N/A	Correctly implemented. No staff have been seen outside of the working area.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	**Yes**	**No**	**N/A**	Correctly implemented.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	**Yes**	**No**	**N/A**	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. An eating area beneath the trees at HAV1 Repl. has been established. It is fenced off and demarcated with benches. Lunches are kept in a barrel with a lid to deter baboons.

(a)



(b)



(c)



10-04-2025 11:00 – Benches have been provided to demarcate an eating area for staff (a). A barrel is used to store staff bags to deter baboons from the area (b) and (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	See section “Solid Waste Management, Litter and Refuse”.
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor’s register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in a fenced off area next to the Contractors site camp. Some materials are stored adjacent to the working area at HAV1 Repl. on a previously disturbed area.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



(c)



10-04-2025 11:00 – Materials are stored adjacent to the working area at HAV1 Repl. (a). Materials are stored in an old drainage channel (b) and a fenced off storage area at T4/5 (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	**Yes**	**No**	**N/A**	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	**Yes**	**No**	**N/A**	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	**Yes**	**No**	**N/A**	MSDSs for petrol, diesel and cement are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. There are no hazardous substances at HAV1 Repl. Diesel and cement are stored in the container at site camp.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 10-04-2025 11:00 – Hazardous liquids are stored atop a drip tray in the container at the site camp (a). An empty fuel drum is being kept inside the storage container at T4/5 to store solid hazardous waste should it be required (b).**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **10-04-2025 11:00 – A drip tray has been placed beneath a drum of shutter oil onsite at T4/5.**				
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	**Yes**	**No**	**N/A**	Correctly implemented. See “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	**Yes**	**No**	**N/A**	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	**Yes**	**No**	**N/A**	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	**Yes**	**No**	**N/A**	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	**Yes**	**No**	**N/A**	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	**Yes**	**No**	**N/A**	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	**Yes**	**No**	**N/A**	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	Correctly implemented.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at site camp.

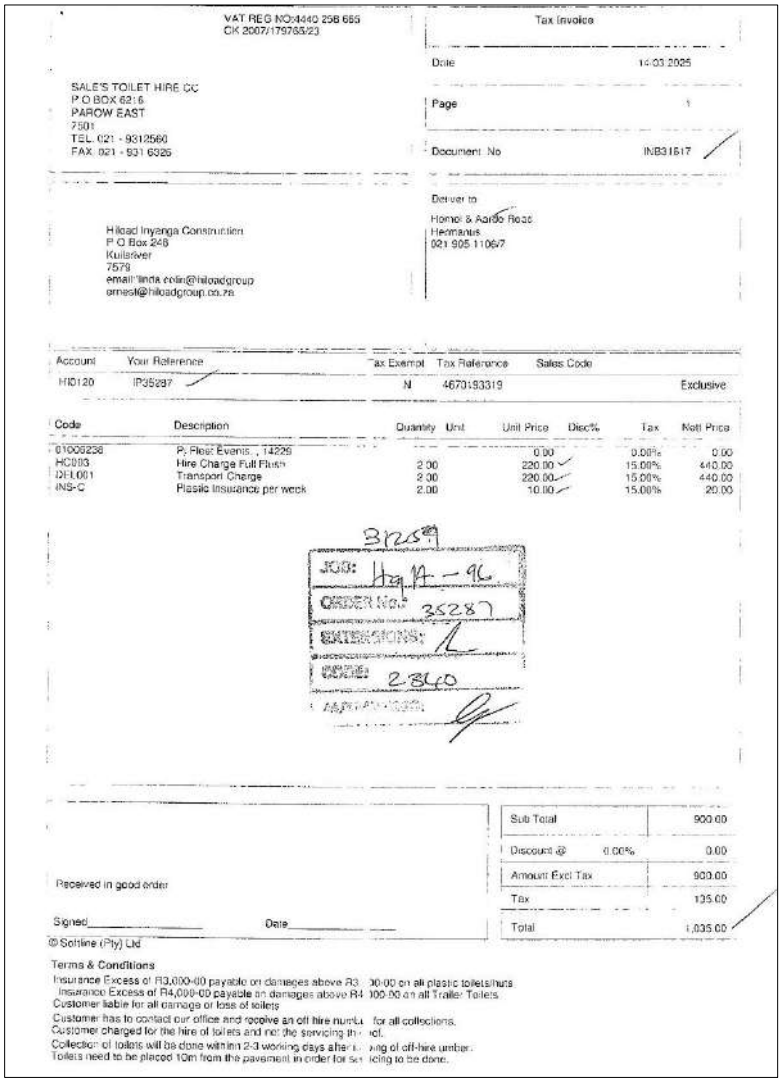


10-04-2025 11:00 – Hazardous liquid waste is stored in the storage container on a drip tray.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing has occurred.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	Concrete is brought to site in trucks, no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	Correctly implemented. Wastewater from tool washing is contained within a water drum onsite. See below.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug, the Contractor is washing tools in a water drum at the site camp.
 **10-04-2025 11:00 – Cement covered tools are washed in a drum at the site camp.**				
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	There are no empty cement bags onsite as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	Correctly implemented. The ECO was not present for the pouring of cement, however, no spillage was observed during the inspection. Excess rubble at HAV1 Repl. is stored on a plastic sheet adjacent to the pumphouse awaiting disposal.
 **10-04-2025 11:00 – Excess rubble awaiting disposal at HAV1 Repl.**				
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	The excess concrete pictured above will be disposed of once fully broken up. The Contractor will provide a waste disposal slip when complete.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented. Toilet serving invoice has been received for March 2025.



VAT REG NO:4440 258 665
CK 2007/179765/23

Tax Invoice

Date 14.03.2025

SALE'S TOILET HIRE CC
P O BOX 6216
PAROW EAST
7501
TEL: 021 - 9312560
FAX: 021 - 931 6926

Page 1

Document No INB31617

Deliver to
Hilload Inyanga Construction
P O Box 248
Kuilsriver
7579
email: linda.colin@hiloadgroup
ernest@hiloadgroup.co.za

Homol & Aardo Road
Heemanus
021 905 1106/7

Account	Your Reference	Tax Exempt	Tax Reference	Sales Code
HID120	IP35287	N	4670193319	Exclusive

Code	Description	Quantity	Unit	Unit Price	Disc%	Tax	Nett Price
01008238	P. Fleet Events , 14229			0.00		0.00%	0.00
HC003	Hire Charge Full Flush	2.00		220.00		15.00%	440.00
DH-L001	Transport Charge	2.00		220.00		15.00%	440.00
INS-C	Plastic Insurance per week	2.00		10.00		15.00%	20.00

3125
JOB: Hyp A - 96
ORDER No: 35287
DELIVERED:
RETURNED: 2.3.40

Sub Total	900.00
Discount @ 0.00%	0.00
Amount Excl Tax	900.00
Tax	135.00
Total	1,035.00

Received in good order

Signed _____ Date _____

© Softline (Pty) Ltd

Terms & Conditions
Insurance Excess of R3,000-00 payable on damages above R3 ,000-00 on all plastic toilets/huts.
Insurance Excess of R4,000-00 payable on damages above R4 ,000-00 on all Trailer Toilets.
Customer liable for all damages or loss of toilets
Customer has to contact our office and receive an off hire numb for all collections.
Customer charged for the hire of toilets and not the servicing th ct.
Collection of toilets will be done within 2-3 working days after r ving of off-hire umber.
Toilets need to be placed 10m from the pavement in order for se icing to be done.

15-04-2025 10:00 – Toilet service invoice for March 2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	Yes	No	N/A	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
 **10-04-2025 11:00 – A temporary connection to the belowground pipeline has been made at the old HAV1 borehole to access water for construction at both sites.**				
Water is not abstracted from private property without the prior written approval of the Landowner.	Yes	No	N/A	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at both sites. There is an ash tray in the staff rest area at the site camp as well as an ash tray at HAV1 Repl.

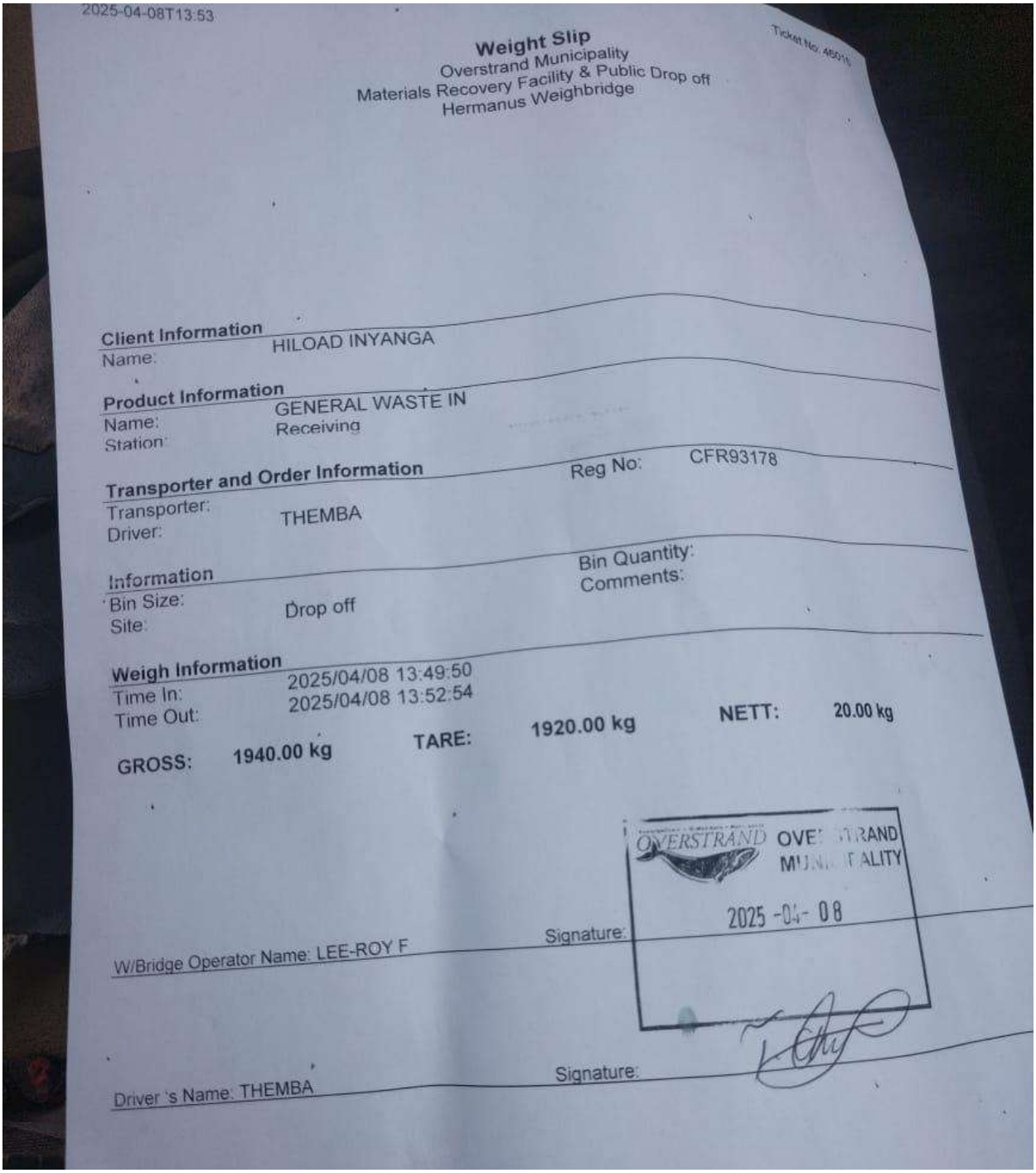


(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b)** **10-04-2025 11:00 – Ash trays onsite at both HAV1 Repl. (a) and T4/5 (b).**				
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	**Yes**	**No**	**N/A**	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	**Yes**	**No**	**N/A**	No fires have occurred.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. There are currently three fire extinguishers at the site camp, all expiring in 03/2026, and one at HAV1 Repl. with the same expiry date.
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	**Yes**	**No**	**N/A**	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	**Yes**	**No**	**N/A**	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	**Yes**	**No**	**N/A**	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	**Yes**	**No**	**N/A**	No hot works have been required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	There are no bins onsite. This has been outstanding since the 14-03-2025. The waste from HAV1 Repl. is being taken to the site camp at the end of each day. All general waste is being stored in the Contractors staff area in black bags. The Contractor has been requested to obtain bins for general, hazardous and recycling waste. Should this not be rectified by the following inspection the Contractor will receive a warning.
 **10-04-2025 11:00 – The general waste is stored in black bags behind a gate at the site camp.**				
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Construction waste/spoil material is still to be disposed of at a licenced facility, and the disposal slip will be retained and provided to the ECO in due course.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	General waste disposal was completed on the 08-04-2025 at the municipal waste drop-off facility.



2025-04-08T13:53

Weight Slip
Overstrand Municipality
Materials Recovery Facility & Public Drop off
Hermanus Weighbridge

Ticket No: 46015

Client Information
Name: HILOAD INYANGA

Product Information
Name: GENERAL WASTE IN
Station: Receiving

Transporter and Order Information
Transporter:
Driver: THEMBA
Reg No: CFR93178

Information
Bin Size:
Site: Drop off
Bin Quantity:
Comments:

Weigh Information
Time In: 2025/04/08 13:49:50
Time Out: 2025/04/08 13:52:54

GROSS: 1940.00 kg TARE: 1920.00 kg NETT: 20.00 kg

OVERSTRAND OVERSTRAND MUNICIPALITY
2025 -04- 08

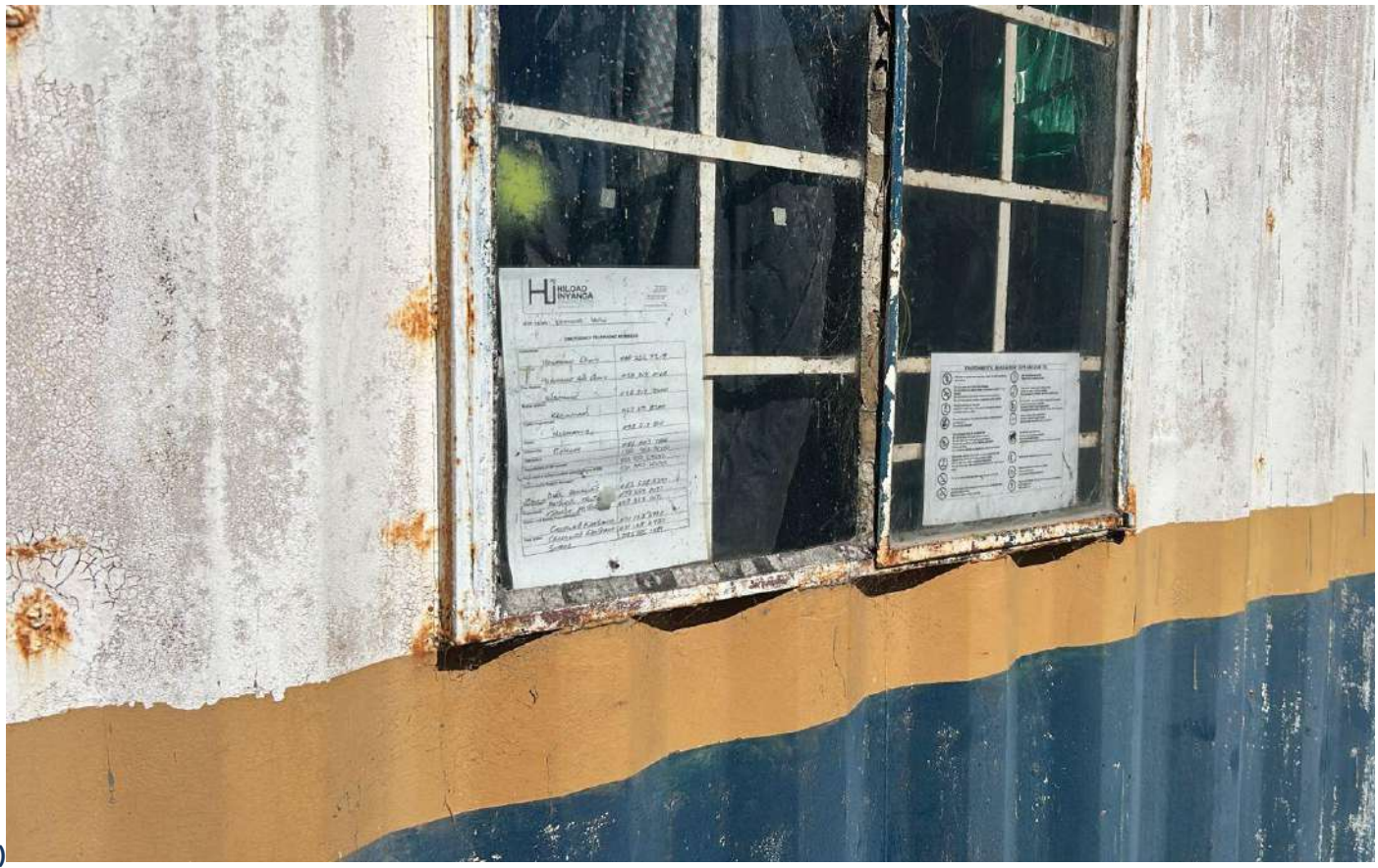
W/Bridge Operator Name: LEE-ROY F Signature:

Driver 's Name: THEMBA Signature:

08-04-2025 16:00 – General waste disposal slip.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles currently onsite.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 10-04-2025 11:00 – Emergency and environmental posters on display at the site camp.**				
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	Yes	No	N/A	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	Yes	No	N/A	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	See section “Solid Waste Management, Litter and Refuse” above.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	**Yes**	**No**	**N/A**	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	**Yes**	**No**	**N/A**	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	**Yes**	**No**	**N/A**	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	**Yes**	**No**	**N/A**	"No-go" areas have been fenced off suitably at both sites.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	**Yes**	**No**	**N/A**	There are currently no open trenches onsite.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	**Yes**	**No**	**N/A**	No excavations have been closed as yet.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	Correctly implemented.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Trenching has not begun yet.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	Trenching will not occur adjacent or next to a wetland or watercourse.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trenching has not begun yet.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	As above.
Clean water and dirty water systems are managed independently and be kept separately.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 10-04-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	17-04-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	13:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: The pumphouse walls have been completed, preparation is underway for the roof to be cast. T4/5: Foundations have been laid for the pumphouse. Preparation is underway for the walls to be cast. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	Pending	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	Pending	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 17-04-2025 13:00 – HAV1 Repl. and T4/5 have been satisfactorily setup and the site areas are neat. Shuttering is underway for the casting of the roof at HAV1 Repl. (a) and the walls at T4/5 (b).**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025 and the 03-04-2025 by the Site ECO.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented. The ECO has sent the Contractor a copy of the EATC for their records and requested it be added into the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are still on hold until the appeal process is complete. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at both sites. An eating area beneath the trees at HAV1 Repl. has been established. It is fenced off and demarcated with benches. The barrel which was used for staff bags has been found with oil in the bottom "See Handling, Use and Storage of Hazardous Substances" below. The Contractor has been requested to remove the barrel and provide staff with a secure container for their bags.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in a fenced off area next to the Contractors site camp. Some materials are stored adjacent to the working area at HAV1 Repl. on a previously disturbed area.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel and cement are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. An oily fuel drum has been used for staff to store their lunch bags at HAV1 Repl. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025. The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



(c)



17-04-2025 13:00 – Hazardous liquids are stored atop a drip tray in the container at the site camp (a). An oily fuel drum has been used for staff to store their lunch bags at HAV1 Repl. (b) and (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	Correctly implemented. All fuel is stored in the container at site camp.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	Correctly implemented.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	Correctly implemented.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at site camp.
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing has occurred.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	Concrete is brought to site in trucks, no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	Correctly implemented. Wastewater from tool washing is contained within a water drum onsite at T4/5. See below. No washing of tools is occurring at HAV1 Repl.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	**Yes**	**No**	**N/A**	No sump has been dug at the site camp, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **17-04-2025 13:00 – Cement covered tools are washed in a drum at the site camp.**				
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	**Yes**	**No**	**N/A**	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	**Yes**	**No**	**N/A**	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	**Yes**	**No**	**N/A**	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. The ECO was not present for the pouring of cement, however, no spillage was observed during the inspection. Partial Compliance. Two small spills have been observed at HAV1 Repl. The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse awaiting disposal.

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(c) 17-04-2025 13:00 – Excess rubble awaiting disposal (a) and two cement spills around the site (b) and (c) at HAV1 Repl.**				
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	**Yes**	**No**	**N/A**	The excess concrete pictured above will be disposed of once fully broken up. The Contractor will provide a waste disposal slip when complete.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. There is an ash tray in the staff rest area at the site camp as well as an ash tray at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



17-04-2025 13:00 – Ash trays onsite at both HAV1 Repl. (a) and T4/5 (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented at both sites. There are currently three fire extinguishers at the site camp, all expiring in 03/2026, and one at HAV1 Repl. with the same expiry date.
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped at either site.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	There are no bins onsite at either site. This has been outstanding since the 14-03-2025. The waste from HAV1 Repl. is being taken to the site camp at the end of each day. All general waste is being stored in the Contractors staff area at the site camp in black bags. The Contractor has been requested to obtain bins for general, hazardous and recycling waste. The Contractor has been issued a warning and asked to obtain bins by the 25-04-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **17-04-2025 13:00 – The general waste is stored in black bags behind a gate at the site camp.**				
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	**Yes**	**No**	**N/A**	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	**Yes**	**No**	**N/A**	As above.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	**Yes**	**No**	**N/A**	Construction waste/spoil material is still to be disposed of at a licenced facility, and the disposal slip will be retained and provided to the ECO in due course.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	**Yes**	**No**	**N/A**	General waste disposal certificate has been kept on the pin board in the site office.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 2025-04-08T13:53 Ticket No: 46015 **Weight Slip** Overstrand Municipality Materials Recovery Facility & Public Drop off Hermanus Weighbridge **Client Information** Name: HILOAD INYANGA **Product Information** Name: GENERAL WASTE IN Station: Receiving **Transporter and Order Information** Transporter: Driver: THEMBA Reg No: CFR93178 **Information** Bin Size: Site: Drop off Bin Quantity: Comments: **Weigh Information** Time In: 2025/04/08 13:49:50 Time Out: 2025/04/08 13:52:54 GROSS: 1940.00 kg TARE: 1920.00 kg NETT: 20.00 kg W/Bridge Operator Name: LEE-ROY F Signature: 2025 -04- 08 Driver's Name: THEMBA Signature:				
17-04-2025 13:00 – The general waste disposal slip has been kept on the pinboard in the site office.				
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles currently onsite.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental (“dos and don’ts”) posters and emergency numbers have been displayed at the site camp.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality’s Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor’s office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	See section “Solid Waste Management, Litter and Refuse” above.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	"No-go" areas have been fenced off suitably at both sites.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	There are currently no open trenches onsite.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No excavations have been closed as yet.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	Correctly implemented.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	Trenching will not occur adjacent or next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	**Yes**	**No**	**N/A**	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	**Yes**	**No**	**N/A**	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	**Yes**	**No**	**N/A**	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	**Yes**	**No**	**N/A**	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	**Yes**	**No**	**N/A**	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	As above.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 17-04-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	22-04-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	12:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: The pumphouse roof has been cast, shuttering still to be removed. T4/5: The pumphouse walls have been cast, shuttering still to be removed. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)

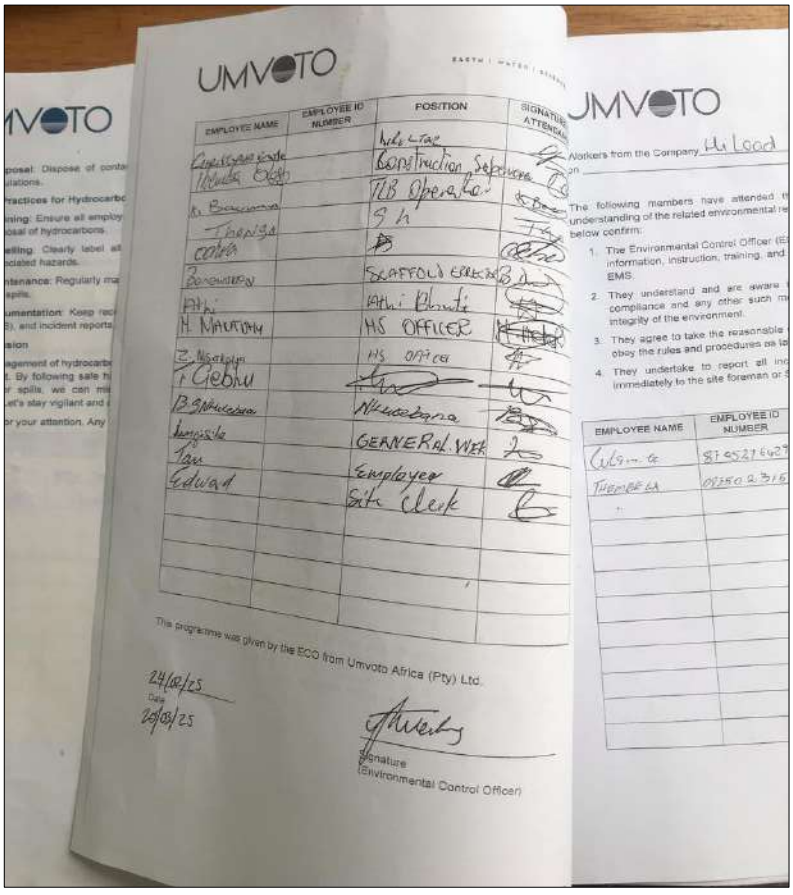


(b)



22-04-2025 12:00 – HAV1 Repl. and T4/5 have been satisfactorily setup and the site areas are neat. Shuttering is still to be removed from the casting of the roof at HAV1 Repl. (a) and the walls at T4/5 (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025 and the 03-04-2025 by the Site ECO.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	Yes	No	N/A	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	Yes	No	N/A	Correctly implemented. The ECO has sent the Contractor a copy of the EATC for their records and requested it be added into the site file.



22-04-2025 12:00 – The EATC register has been added to the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are still on hold until the appeal process is complete. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at both sites. An eating area beneath the trees at HAV1 Repl. has been established. It is fenced off and demarcated with benches. The barrel which was used for staff bags has been found with oil in the bottom "See Handling, Use and Storage of Hazardous Substances" below. The Contractor has been requested to remove the barrel and provide staff with a secure container for their bags. This is still outstanding since the 17-04-2025.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in a fenced off area next to the Contractors site camp. Some materials are stored adjacent to the working area at HAV1 Repl. on a previously disturbed area.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	**Yes**	**No**	**N/A**	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	**Yes**	**No**	**N/A**	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	**Yes**	**No**	**N/A**	MSDSs for petrol, diesel and cement are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp and T4/5. An oily fuel drum has been used for staff to store their lunch bags at HAV1 Repl. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025. The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp. This is still outstanding since the 17-04-2025. The Contractor was requested to remove the barrel by the end of the day. On the 24-05-2024 the ECO was notified by the Contractor that the oily drum had been removed from HAV1 Repl. and placed in the storage container at site camp.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



(b) 22-04-2025 12:00 – Hazardous liquids are stored atop a drip tray in the container at the site camp (a). The oily drum which was used for staff to store their lunch bags at HAV1 Repl. is still onsite.



24-04-2025 14:00 – The oily drum from HAV1 Repl. has been placed into the storage container at site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	Correctly implemented. All fuel is stored in the container at site camp. See image in "Handling, Use and Storage of Hazardous Substances" above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	Correctly implemented.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See "Handling, Use and Storage of Hazardous Substances" above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.



22-04-2025 12:00 – Spill kit in the storage container at site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at site camp.
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing has occurred.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	Concrete is brought to site in trucks, no small batching has occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	Correctly implemented. Wastewater from tool washing is contained within a water drum onsite at T4/5. See below. No washing of tools is occurring at HAV1 Repl.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug at the site camp, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl.
 **22-04-2025 12:00 – Cement covered tools are washed in a drum at the site camp.**				
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	Correctly implemented at HAV1 Repl. and T4/5. The ECO was not present for the pouring of cement; however, no spillage was observed during the inspection. The two small spills which were present at HAV1 Repl. during the last inspection have been dog up and the excess rubble added to the excess rubble that is stored on a plastic sheet adjacent to the pumphouse awaiting disposal.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) **22-04-2025 12:00 – Excess rubble awaiting disposal was observed at HAV1 Repl. (a) and T4/5 (b). The rubble at HAV1 Repl. extends beyond the demarcated area; however, the ECO has inspected the area and confirmed that no vegetation has been impacted. As such, the ECO has approved the temporary storage of the rubble in its current location.**				
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	**Yes**	**No**	**N/A**	The excess concrete pictured above will be disposed of once cement works are complete. The Contractor will provide a waste disposal slip when complete.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. There is an ash tray in the staff rest area at the site camp as well as an ash tray at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	**Yes**	**No**	**N/A**	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	**Yes**	**No**	**N/A**	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. There are currently three fire extinguishers at the site camp, all expiring in 03/2026, and one at HAV1 Repl. with the same expiry date.

(a)



(b)



22-04-2025 12:00 – The fire extinguisher for HAV1 Repl. was stored in the back of the work vehicle (a). There are three fire extinguishers at the site camp at T4/5 (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped at either site.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	There are no bins onsite at either site. This has been outstanding since the 14-03-2025. The waste from HAV1 Repl. is being taken to the site camp at the end of each day. All general waste is being stored in the Contractors staff area at the site camp in black bags. The Contractor has been requested to obtain bins for general, hazardous and recycling waste. The Contractor has been issued a warning and asked to obtain bins by the 25-04-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **22-04-2025 12:00 – The general waste is stored in black bags behind a gate at the site camp.**				
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	**Yes**	**No**	**N/A**	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	**Yes**	**No**	**N/A**	As above.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	**Yes**	**No**	**N/A**	Construction waste/spoil material is still to be disposed of at a licenced facility, and the disposal slip will be retained and provided to the ECO in due course.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	**Yes**	**No**	**N/A**	Correctly implemented.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles currently onsite.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	See section "Solid Waste Management, Litter and Refuse" above.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Earthworks Management				
Excavated trenches are demarcated and fenced off as “no-go” areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	**Yes**	**No**	**N/A**	“No-go” areas have been fenced off suitably at both sites.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	**Yes**	**No**	**N/A**	There are currently no open trenches onsite.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	**Yes**	**No**	**N/A**	No excavations have been closed as yet.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	Correctly implemented.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	Trenching will not occur adjacent or next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	**Yes**	**No**	**N/A**	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	As above.
Clean water and dirty water systems are managed independently and be kept separately.	Yes	No	N/A	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 22-04-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	29-04-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: The roof has been completed and shuttering removed. The Contractor is in the process of removing equipment and rubble from site. T4/5: The pumphouse roof is partially complete. A small section is still to be cast. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 29-04-2025 09:00 – HAV1 Repl. and T4/5 have been satisfactorily setup and the site areas are neat. The Contractor is in the process of removing equipment and rubble from HAV1 Repl. (a). The roof at T4/5 is only partially cast (b).**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025 and the 03-04-2025 by the Site ECO.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are still on hold until the appeal process is complete. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp. The Eating area at HAV1 Repl. has been removed as the Contractor is in the process of removing all equipment from site.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section “Solid Waste Management, Litter and Refuse”.
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor’s register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. No materials are being stored at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	**Yes**	**No**	**N/A**	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	**Yes**	**No**	**N/A**	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	**Yes**	**No**	**N/A**	MSDSs for petrol, diesel and cement are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.
 **29-04-2025 09:00 – Hazardous liquids are stored atop a drip tray in the container at the site camp.**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented. All fuel is stored in the container at site camp. See image in "Handling, Use and Storage of Hazardous Substances" above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	Correctly implemented.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	**Yes**	**No**	**N/A**	Correctly implemented. See "Handling, Use and Storage of Hazardous Substances" above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	**Yes**	**No**	**N/A**	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	**Yes**	**No**	**N/A**	Correctly implemented. See "Fire Control" below.
Fuel containers are secured during transport.	**Yes**	**No**	**N/A**	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	**Yes**	**No**	**N/A**	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	**Yes**	**No**	**N/A**	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	**Yes**	**No**	**N/A**	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred onsite.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at site camp.
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing has occurred.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	Concrete is brought to site in trucks, no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	Correctly implemented. Wastewater from tool washing is contained within a water drum onsite at T4/5. See below. No washing of tools is occurring at HAV1 Repl.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug at the site camp, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl.



29-04-2025 09:00 – Cement covered tools are washed in a drum at the site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	**Yes**	**No**	**N/A**	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	**Yes**	**No**	**N/A**	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	**Yes**	**No**	**N/A**	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5. The ECO was not present for the pouring of cement; however, no spillage was observed during the inspection.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	**Yes**	**No**	**N/A**	The excess cement/rubble at HAV1 Repl. was being loaded onto the truck for disposal. The excess cement/rubble at T4/5 was already on the truck. The disposal slip was provided to the ECO during the course of the day.

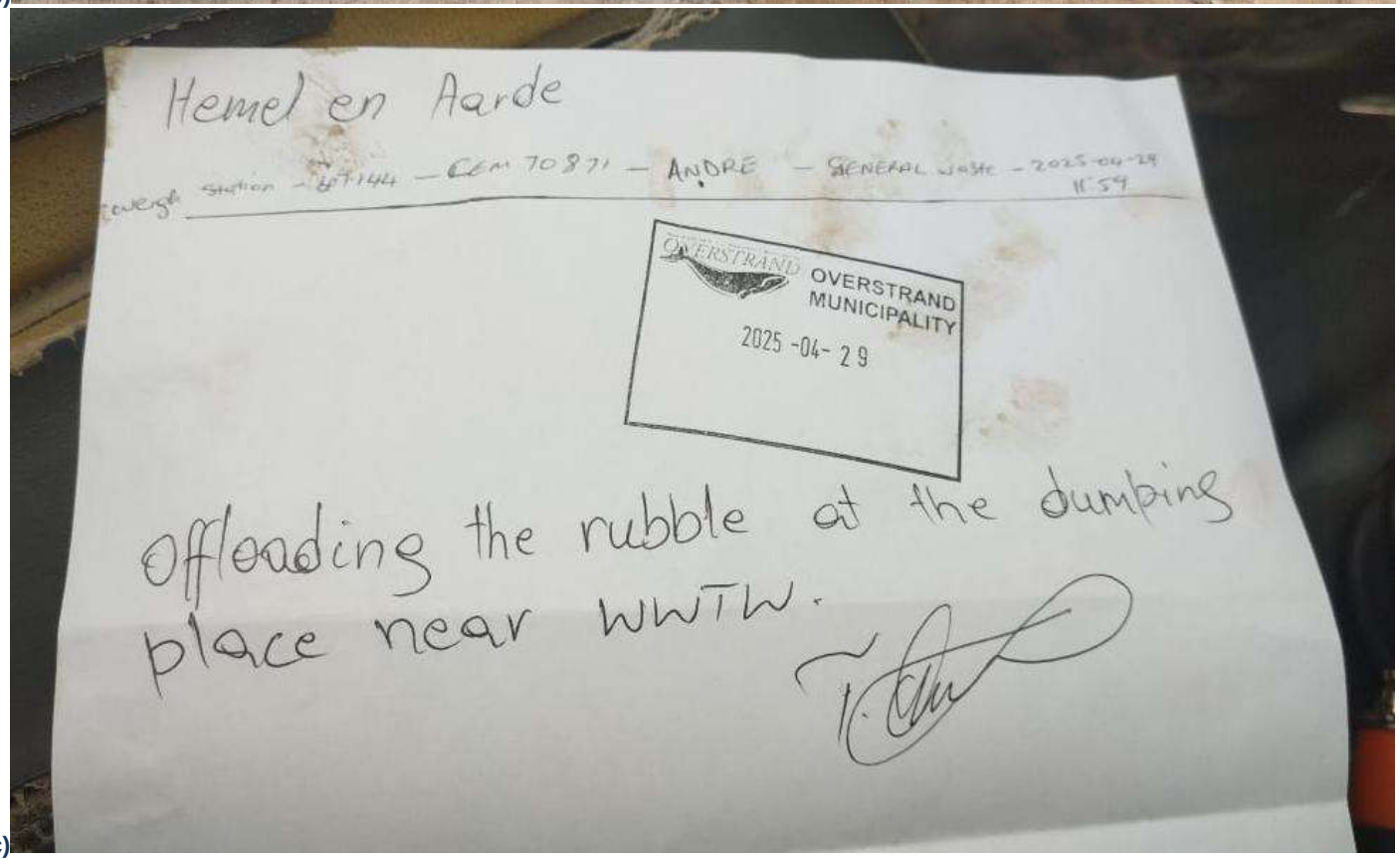


(a)

(b)



(c)



29-04-2025 09:00 – Cement/rubble removal in progress at HAV1 Repl. (a). This had already been completed ay T4/5 (b). The disposal slip was provided to the ECO during the course of the day (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section "Cement and Concrete Batching" above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at both sites. There is an ash tray in the staff rest area at the site camp as well as an ash tray at HAV1 Repl.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented at both sites. There are currently three fire extinguishers at the site camp, all expiring in 03/2026, and one at HAV1 Repl. with the same expiry date.
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	**Yes**	**No**	**N/A**	A small amount of litter was found around HAV1 Repl. Following instruction from the ECO the litter was immediately picked up. No litter was found at T4/5.

(a)

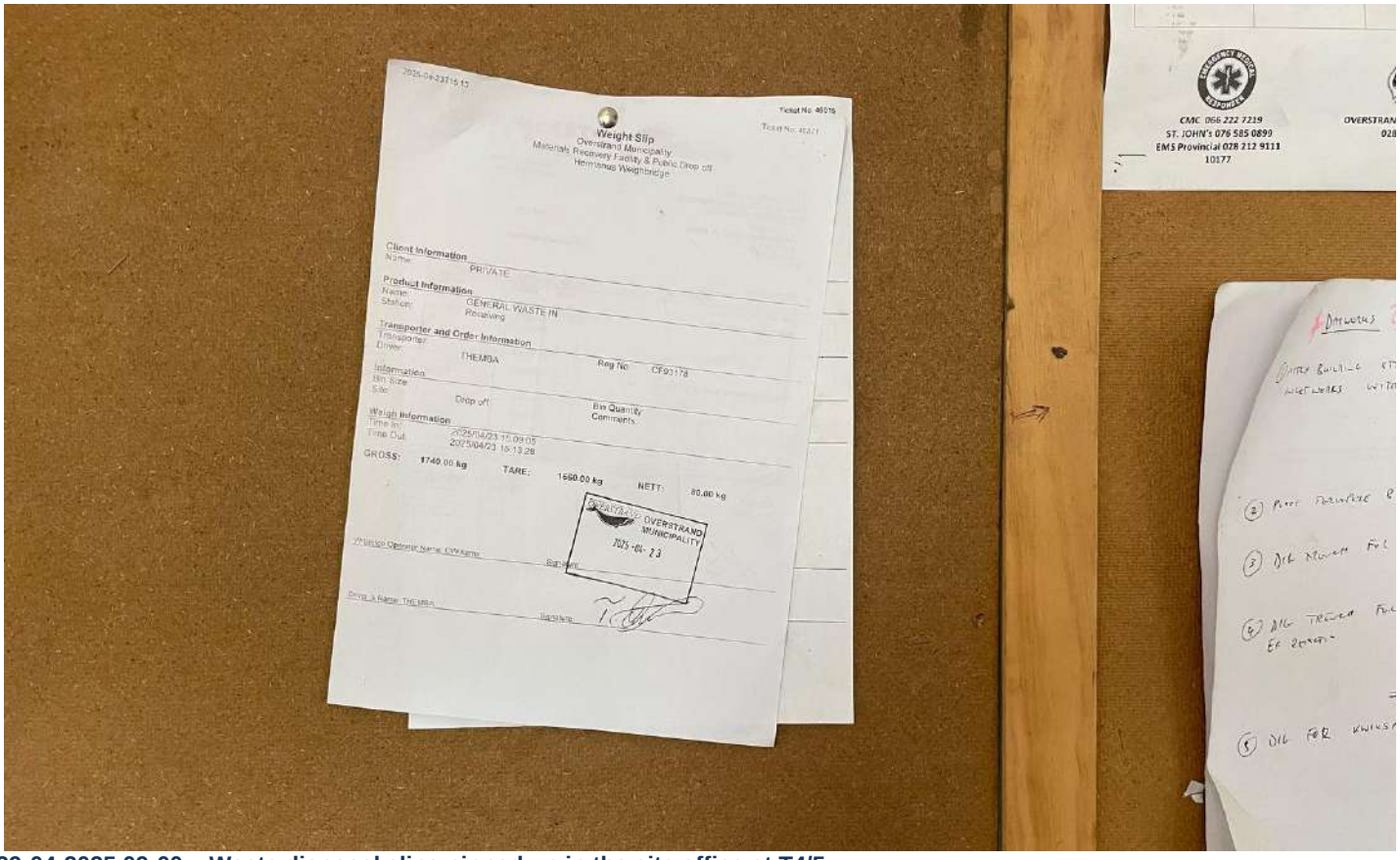


(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (c) 29-04-2025 09:00 – Some litter was picked up at HAV1 Repl. (a) and (b). This was immediately picked up (c).				
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped at either site.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container as the Contractor is moving offsite.
 (a)				

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) 29-04-2025 09:00 – The waste bins at the site camp and T4/5 (a). The bins for HAV1 Repl. are stored in the site container (b).				
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented. See waste disposal slip in "Cement and Concrete Batching" above.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips are pinned to a board in the office at site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **29-04-2025 09:00 – Waste disposal slips pinned up in the site office at T4/5.**				
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles currently onsite.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental (“dos and don’ts”) posters and emergency numbers have been displayed at the site camp.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality’s Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor’s office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	"No-go" areas have been fenced off suitably at both sites.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	There are currently no open trenches onsite.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No excavations have been closed as yet.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	There are no stockpiles onsite.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	As above.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	As above.
All hazardous substance stores are securely locked.	Yes	No	N/A	As above.
Fencing and barriers are in place.	Yes	No	N/A	As above.
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	As above.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	As above.
Cement and materials stores are secured.	Yes	No	N/A	As above.
Toilets are empty, secured, and lockable.	Yes	No	N/A	As above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	As above.
Contaminated water conservancy tank empty.	Yes	No	N/A	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	Yes	No	N/A	As above.
Drip trays are empty and secure.	Yes	No	N/A	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	Yes	No	N/A	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	Yes	No	N/A	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	Yes	No	N/A	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



Date: 29-04-2025

(Environmental Control Officer: Melissa Weeks)

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	08-05-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	10:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Temporarily closed, awaiting grouting. T4/5: The pumphouse roof is complete, awaiting grouting. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues

Site / Area	Aspect	Date Identified	Date Corrected	Action Taken
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	Pending	The Contractor was requested to obtain a copy of this MSDS for the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

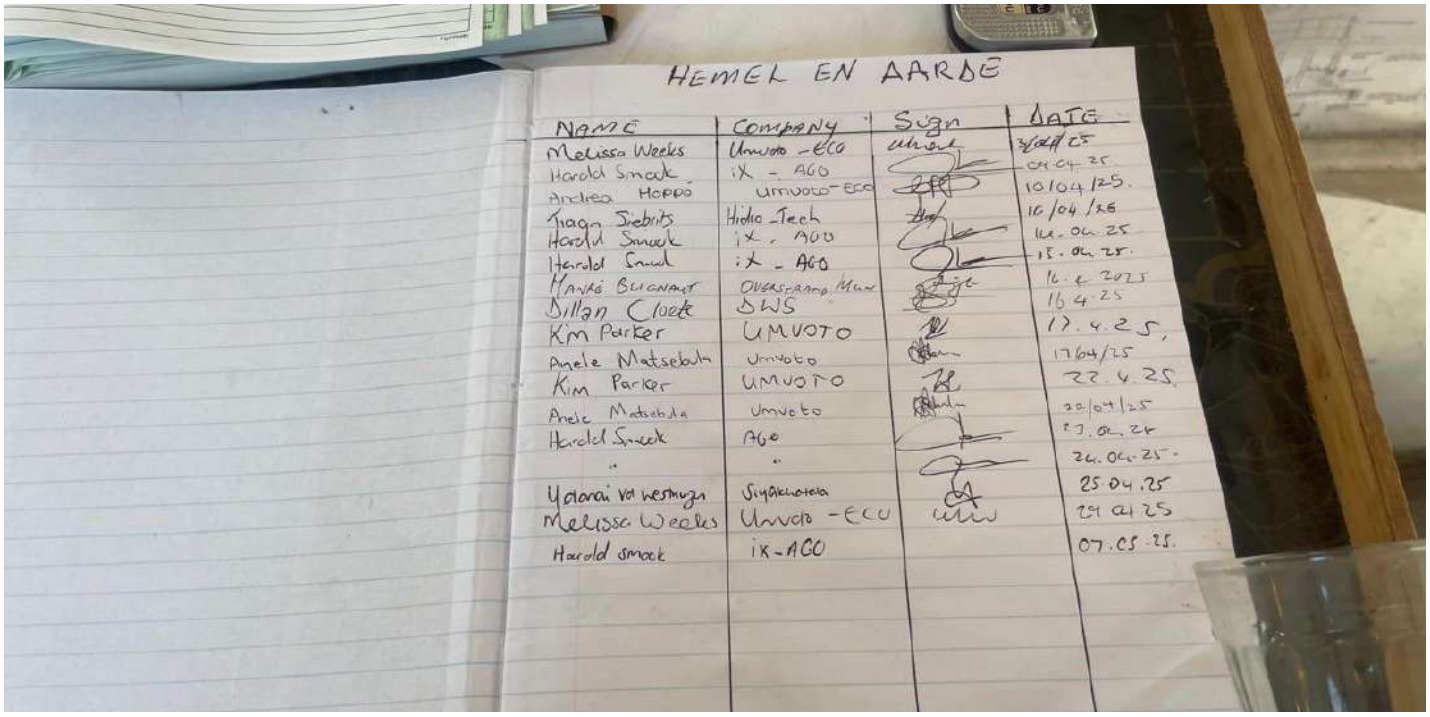


(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 08-05-2025 10:00 – HAV1 Repl. has been temporarily closed (a) and cement works at T4/5 are complete (b). Both sites are awaiting grouting.**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025 and the 03-04-2025 by the Site ECO.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are still on hold until the appeal process is complete. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025. On the 06-05-2025 the Client was notified that there were no comments received from any Interested and Affected parties, and therefore the appeal period is concluded. As such, trenching of the pipeline can now commence.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	Yes	No	N/A	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. Has been removed as the site is temporarily closed.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section “Solid Waste Management, Litter and Refuse”.
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor’s register has been kept on file.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **08-05-2025 10:00 – A visitor's register is kept up to date at the site camp at T4/5.**				
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	**Yes**	**No**	**N/A**	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	**Yes**	**No**	**N/A**	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. No materials are being stored at HAV1 Repl.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	**Yes**	**No**	**N/A**	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	**Yes**	**No**	**N/A**	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	**Yes**	**No**	**N/A**	Partial compliance. MSDSs for petrol, diesel and cement are available in the site file but not for Bricure. The Contractor has been asked to provide this.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.
 **08-05-2025 10:00 – Hazardous liquids are stored atop a drip tray in the container at the site camp at T4/5.**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in “Handling, Use and Storage of Hazardous Substances” above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	Correctly implemented.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
 **08-05-2025 10:00 – A spill kit is available at the site camp at T4/5.**				
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	**Yes**	**No**	**N/A**	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive Environmental Awareness Training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	**Yes**	**No**	**N/A**	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	Correctly implemented.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See “Cement and Concrete Batching” below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	Concrete is brought to site in trucks and no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	Correctly implemented. Wastewater from tool washing is contained within a water drum onsite at T4/5. See below.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	**Yes**	**No**	**N/A**	No sump has been dug at the site camp at T4/5, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **08-05-2025 10:00 – Cement covered tools are washed in a drum at the site camp at T4/5.**				
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	**Yes**	**No**	**N/A**	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	**Yes**	**No**	**N/A**	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	**Yes**	**No**	**N/A**	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	**Yes**	**No**	**N/A**	Correctly implemented. The ECO was not present for the pouring of cement; however, no spillage was observed during the inspection.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	**Yes**	**No**	**N/A**	There is currently no excess rubble at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The toilet will remain onsite at HAV1 Repl. despite the temporary closure. The Contractor is expected to return to site in the next week or two to complete the grouting.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The toilet will remain onsite at HAV1 Repl. Despite the temporary closure. The Contractor is expected to return to site in the next week or two to complete the grouting.



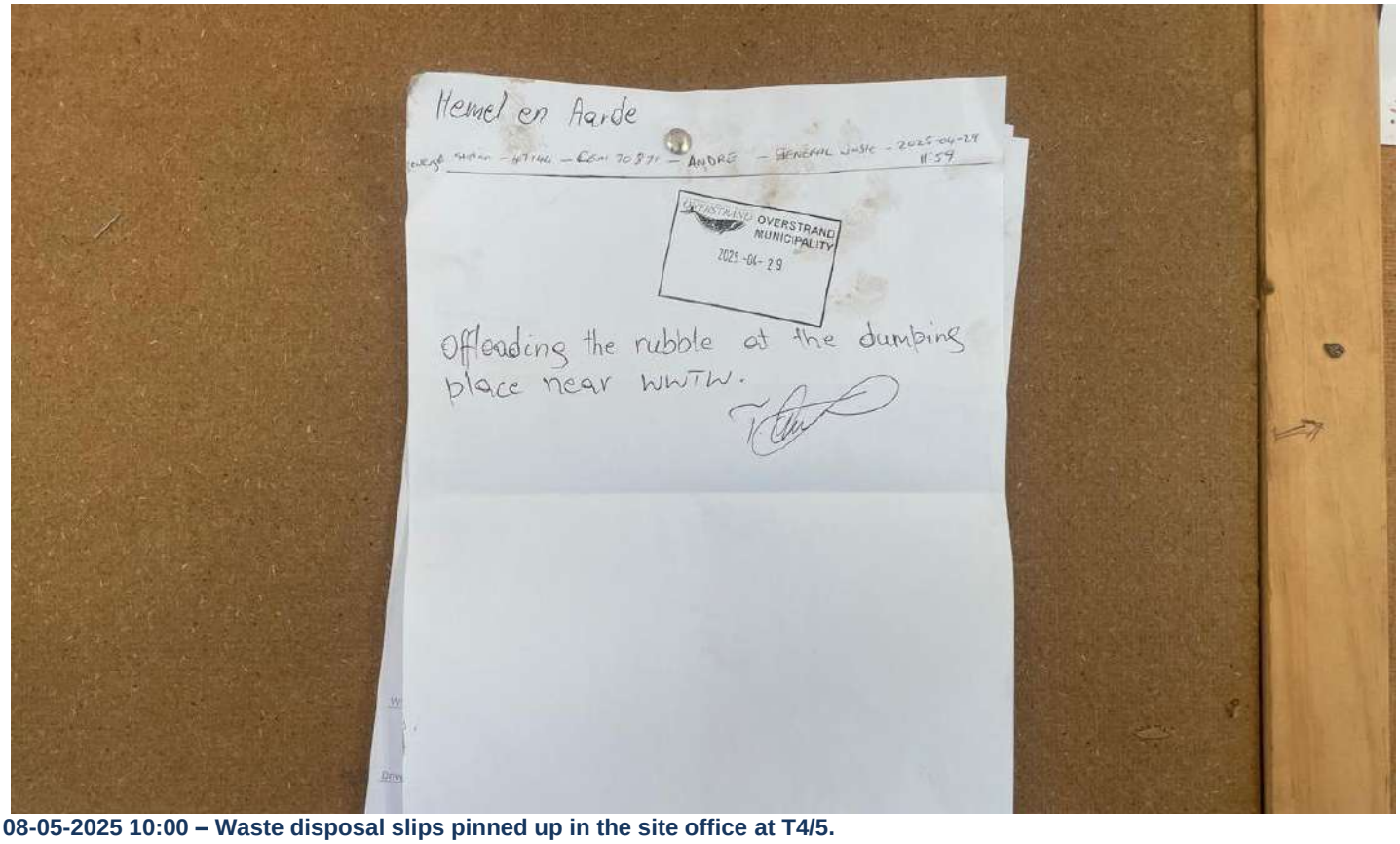
(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 08-05-2025 10:00 – The toilets at both HAV1 Repl. (a) and T4/5 (b) are secured and latched closed.**				
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **08-05-2025 10:00 – The water connection point to the main line at HAV1 Repl. remains in use.**				
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp at T4/5. HAV1 Repl. is temporarily closed and so no ash tray is required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented, all four fire extinguishers are at the site camp at T4/5.
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped at either site.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container as the site is temporarily closed.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented. See waste disposal slip in "Cement and Concrete Batching" above.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips are pinned to a board in the office at the site camp at T4/5.



08-05-2025 10:00 – Waste disposal slips pinned up in the site office at T4/5.

Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	Yes	No	N/A	Correctly implemented.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	Yes	No	N/A	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	Yes	No	N/A	No pollution incidents have occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles currently onsite.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental (“dos and don’ts”) posters and emergency numbers have been displayed at the site camp at T4/5.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue (S&R) was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025. Further S&R was completed during the inspection on 08-05-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **08-05-2025 10:00 – Further S&R underway along the T4/5 pipeline route.**				
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	S&R has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	**Yes**	**No**	**N/A**	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	"No-go" areas have been fenced off suitably at both sites.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **08-05-2025 10:00 – The centreline of the trench has been demarcated with stakes ahead of trenching at T4/5. Note that the trench pictured above was already in existence on the property.**				
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	**Yes**	**No**	**N/A**	No trenches have been opened by the Contractor in relation to the pipeline route to date. The existing trench, adjacent to which the pipeline will be lain, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	**Yes**	**No**	**N/A**	No excavations are open.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	There are no stockpiles onsite.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed, but will be checked by the ECO when completing the weekly site visit at T4/5.



08-05-2025 10:00 – HAV1 Repl. has been temporarily closed.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Fire extinguishers are serviced and accessible.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	There are no enclosed spaces onsite at HAV1 Repl.
All hazardous substance stores are securely locked.	Yes	No	N/A	There are no hazardous substances onsite at HAV1 Repl.
Fencing and barriers are in place.	Yes	No	N/A	Correctly implemented at HAV1 Repl.
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	Correctly implemented. The small excavation at the water access point is open. See photograph in “Water Use” above.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	Not required.
Cement and materials stores are secured.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Toilets are empty, secured, and lockable.	Yes	No	N/A	Correctly implemented. See photograph in “Ablution and Toilet Facilities” above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	There are no refuse bins onsite at HAV1 Repl.
Contaminated water conservancy tank empty.	Yes	No	N/A	There are no water tanks onsite at HAV1 Repl.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	Yes	No	N/A	There are no bunded areas onsite at HAV1 Repl.
Drip trays are empty and secure.	Yes	No	N/A	There are no drip trays onsite at HAV1 Repl. as it has been temporarily closed and there is no equipment and/or machinery left onsite requiring such.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	Yes	No	N/A	The small excavation at the water access point is open. See photograph in “Water Use” above. The excavation is shallow and should not trap any animals and/or collect water.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	Yes	No	N/A	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	Yes	No	N/A	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



Date: 08-05-2025

(Environmental Control Officer: Melissa Weeks)

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	12-05-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Temporarily closed, awaiting grouting. T4/5: The pumphouse roof is complete, awaiting grouting. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	Pending	The Contractor was requested to obtain a copy of this MSDS for the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b)** **12-05-2025 09:00 – HAV1 Repl. has been temporarily closed (a) and cement works at T4/5 are complete (b). Both sites are awaiting grouting.**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025, 03-04-2025, and 12-05-2025 by the Site ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

EARTH | WATER | SCIENCE | LIFE

PROOF OF ATTENDANCE

Workers from the Company Hiload attended an Environmental Awareness Training Course held on 12 May 25.

The following members have attended the training programme and have a complete understanding of their environmental responsibilities. Their signatures in the table below confirm:

1. They have attended an introduction to an environmental induction training programme and have received induction training. They further understand and accept onsite that the company shall provide and maintain a working environment that is respectful to the environmental and in compliance to the Environmental Management Programme (EMPr).
2. The Environmental Control Officer (ECO) has provided them with the necessary information, instruction, training, and supervision to ensure compliance to the EMPr.
3. They understand and are aware that the ECO will enforce environmental compliance and any other such measures in the interest of maintaining the integrity of the environment.
4. They agree to take the reasonable care for the state of the environment and to obey the rules and procedures as laid down by the ECO.
5. They undertake to report all incidents which may affect the environment immediately to the site foreman or Site Manager.

EMPLOYEE NAME	EMPLOYEE ID NUMBER	POSITION	SIGNATURE OF ATTENDANCE
V. Naumasho		Pipe Layer	V. Naumasho
Clinton Ggirana		Site Supervisor	
Nth: Bhuti		Finisher	

4 | Page

12-05-2025 09:00 – EATC given to new staff at the site camp by the ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025. On the 06-05-2025, the Client was notified that there were no comments received from any Interested and Affected Parties, and therefore the appeal period has been concluded. As such, trenching of the pipeline will commence later this week and the pipeline route will be demarcated accordingly.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
As far as possible the Contractor uses existing access and haul routes.	Yes	No	N/A	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	Yes	No	N/A	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner's consent.	Yes	No	N/A	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	Yes	No	N/A	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the site is temporarily closed.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. No materials are being stored at HAV1 Repl.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	Partial compliance. MSDSs for petrol, diesel and cement are available in the site file but not for Bricure. The Contractor has been asked to provide this. Note, this is still outstanding since the 08-05-2025.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b)** **12-05-2025 09:00 – Hazardous liquids are stored atop drip trays in the container at the site camp at T4/5 (a) and (b).**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section “Handling, Use and Storage of Hazardous Substances” above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **12-05-2025 09:00 – A drip ray has been used below the generator onsite at T4/5.**				
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	**Yes**	**No**	**N/A**	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	**Yes**	**No**	**N/A**	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	**Yes**	**No**	**N/A**	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	**Yes**	**No**	**N/A**	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5, expected to start on 14-05-2025. All machine operators have received Environmental Awareness Training by the Site ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	**Yes**	**No**	**N/A**	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	Correctly implemented. See photograph in section ""Hydrocarbon Management (Fuels, Oils and lubricants)" above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.
 **12-05-2025 09:00 – Hazardous liquid waste is stored and labelled correctly in the container at the site camp (red circle).**				
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See "Cement and Concrete Batching" below.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	Concrete, when required, is brought to site in trucks and no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	Correctly implemented. Wastewater from tool washing is contained within a water drum onsite at T4/5. See below.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	**Yes**	**No**	**N/A**	No sump has been dug at the site camp at T4/5, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl.
 **12-05-2025 09:00 – Cement covered tools are washed in a drum at the site camp at T4/5.**				
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	Correctly implemented. The ECO was not present for the pouring of cement; however, no spillage was observed during the inspection.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	Yes	No	N/A	Correctly implemented at both sites. The toilet will remain onsite at HAV1 Repl. despite the temporary closure. The Contractor is expected to return to site in the next week or two to complete the grouting.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	Yes	No	N/A	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	Correctly implemented at both sites. The toilet will remain onsite at HAV1 Repl. Despite the temporary closure. The Contractor is expected to return to site in the next week or two to complete the grouting.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	Yes	No	N/A	Correctly implemented. Toilet service receipt received for works completed in April 2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

VAT REG NO:4440 258 665
CK 2007/179765/23

SALE'S TOILET HIRE CC
P.O BOX 6216
PAROW EAST
7501
TEL: 021 - 9312560
FAX: 021 - 931 6326

Tax Invoice

Date	28/04/2025
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Document No	INB32071

Hiload Inyanga Construction
P O Box 248
Kuilsriver
7579
email:'linda.colin@hiloadgroup
ernest@hiloadgroup.co.za

Deliver to
Hemel & Aarde Road
Hermanus
021 905 1106/7

Account	Your Reference	Tax Exempt	Tax Reference	Sales Code
HI0120	IP35287	N	4670193319	Exclusive

Code	Description	Quantity	Unit	Unit Price	Disc%	Tax	Nett Price
01006007	Pj Fleet Events, , 12384			0.00		0.00%	0.00
HC003	Hire Charge Full Flush	5.00		220.00		15.00%	1,100.00
INS-C	Plastic Insurance per week	5.00		10.00		15.00%	50.00

Received in good order

Signed_____ Date_____

Sub Total	1,150.00
Discount @ 0.00%	0.00
Amount Excl Tax	1,150.00
Tax	172.50
Total	1,322.50

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Terms & Conditions

Insurance Excess of R3,000-00 payable on damages above R3,000-00 on all plastic toilets/huts
Insurance Excess of R4,000-00 payable on damages above R4,000-00 on all Trailer Toilets
Customer liable for all damage or loss of toilets
Customer has to contact our office and receive an off hire number for all collections.
Customer charged for the hire of toilets and not the servicing thereof..
Collection of toilets will be done withinn 2-3 working days after issuing of off-hire umber.
Toilets need to be placed 10m from the pavement in order for servicing to be done.

12-05-2025 15:30 – Toilet service receipt received for work completed in April 2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	Yes	No	N/A	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	Yes	No	N/A	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. HAV1 Repl. is temporarily closed and so no ash tray or fire extinguishers are required.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented, all fire extinguishers are at the site camp at T4/5.

(a)



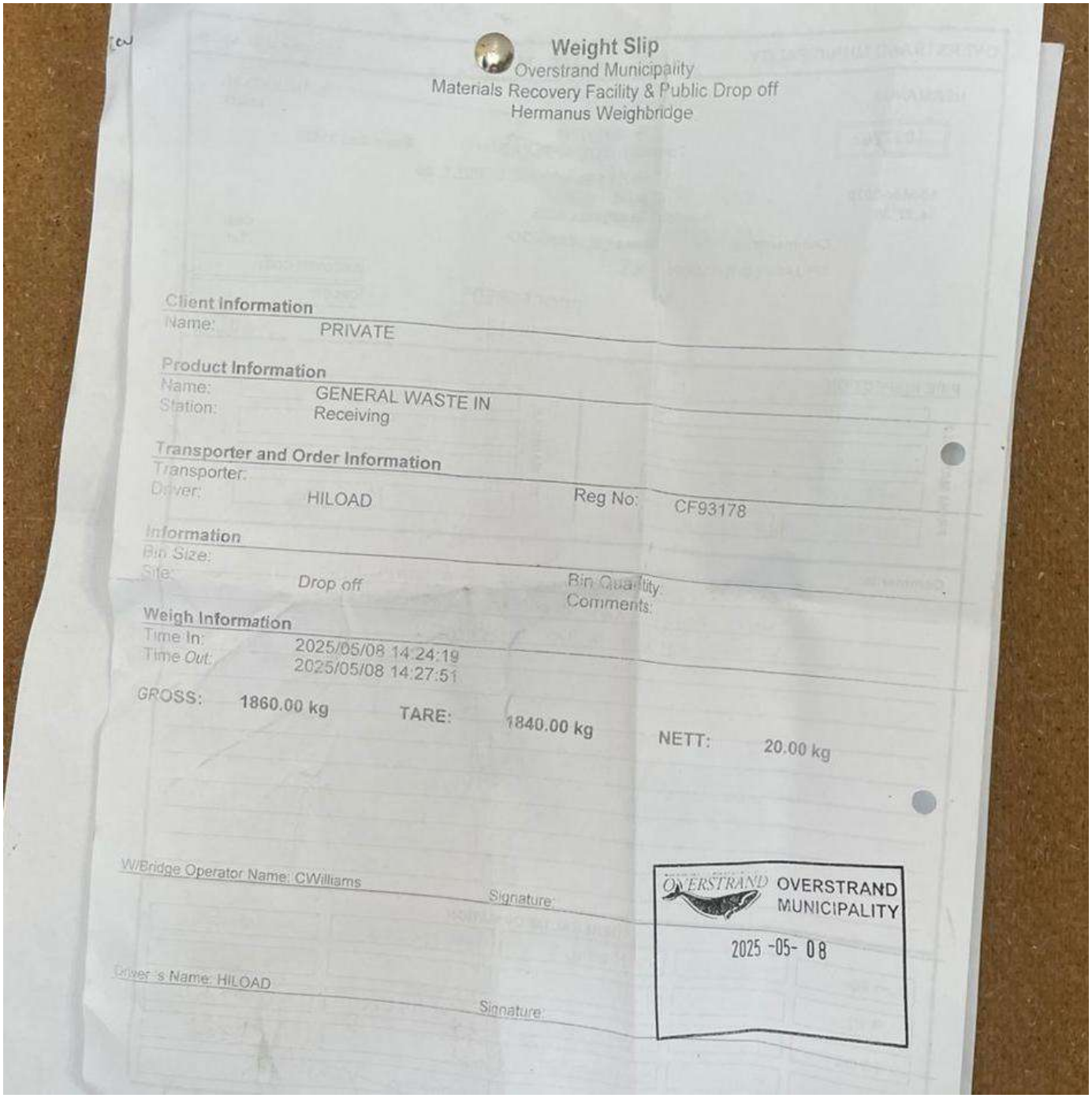
(b)



12-05-2025 09:00 – Fire extinguishers (a) and a smoking area (b) are available at the site camp at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at site camp.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped at either site.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container as the site is temporarily closed.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor’s workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented. See waste disposal slip in “Cement and Concrete Batching” above.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slip received for waste for general waste disposal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



Weight Slip
Overstrand Municipality
Materials Recovery Facility & Public Drop off
Hermanus Weighbridge

Client Information
Name: PRIVATE

Product Information
Name: GENERAL WASTE IN
Station: Receiving

Transporter and Order Information
Transporter:
Driver: HILOAD Reg No: CF93178

Information
Bin Size:
Site: Drop off Bin Quality:
Comments:

Weigh Information
Time In: 2025/05/08 14:24:19
Time Out: 2025/05/08 14:27:51

GROSS: 1860.00 kg TARE: 1840.00 kg NETT: 20.00 kg

W/Bridge Operator Name: CWilliams Signature:

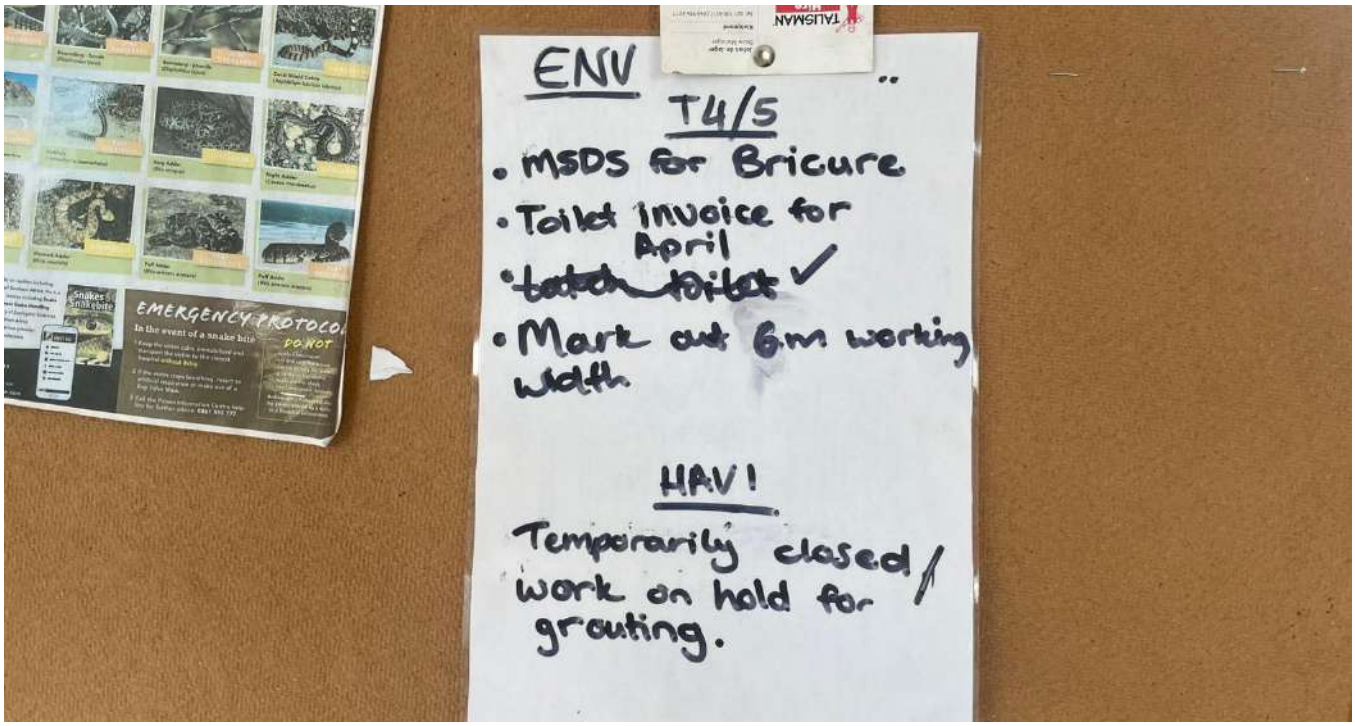
Driver's Name: HILOAD Signature:

OVERSTRAND MUNICIPALITY
2025 -05- 08

12-05-2025 09:00 – Waste disposal slip for general waste disposal on the 08-05-2025, pinned up in the site office at T4/5.

Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented. No disposal of such has been competed yet.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles currently onsite.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractors team.
 **12-05-2025 09:00 – The ECO's environmental 'To Do" list is updated weekly at the site office.**				
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	Yes	No	N/A	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	Yes	No	N/A	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	Yes	No	N/A	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	Yes	No	N/A	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	S&R has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	**Yes**	**No**	**N/A**	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	"No-go" areas have been fenced off suitably at both sites.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	No trenches have been opened by the Contractor in relation to the pipeline route to date. Trenching is planned to commence later this week. The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No excavations are open.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	There are no stockpiles onsite.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl. The ECO, EAP and S&R Specialist met onsite to determine the working corridor for the trenching which is set to begin on the 14-05-2025.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trenching has not begun yet at T4/5. No trenching is required at HAV1 Repl.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	As above.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed, but will be checked by the ECO when completing the weekly site visit at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **12-05-2025 09:00 – HAV1 Repl. remains temporarily closed and will be checked by the ECO weekly. HAV1 Repl. is in a satisfactory state.**				
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	There are no enclosed spaces onsite at HAV1 Repl.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	There are no hazardous substances onsite at HAV1 Repl.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	Correctly implemented. The small excavation at the water access point is open.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	Not required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Cement and materials stores are secured.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Toilets are empty, secured, and lockable.	Yes	No	N/A	Correctly implemented. See photograph in “Ablution and Toilet Facilities” above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	There are no refuse bins onsite at HAV1 Repl.
Contaminated water conservancy tank empty.	Yes	No	N/A	There are no water tanks onsite at HAV1 Repl.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	Yes	No	N/A	There are no bunded areas onsite at HAV1 Repl.
Drip trays are empty and secure.	Yes	No	N/A	There are no drip trays onsite at HAV1 Repl. as it has been temporarily closed and there is no equipment and/or machinery left onsite requiring such.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	Yes	No	N/A	The small excavation at the water access point is open. See photograph in “Water Use” above. The excavation is shallow and should not trap any animals and/or collect water.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	Yes	No	N/A	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	Yes	No	N/A	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 12-05-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	19-05-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:00	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Temporarily closed. Awaiting pump installation. T4/5: The pumphouse is complete, awaiting pump installation. Trenching for pipeline installation has begun. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues

Site / Area	Aspect	Date Identified	Date Corrected	Action Taken
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	Pending	The Contractor was requested to obtain a copy of this MSDS for the site file. The ECO tried finding this online but was unsuccessful.
HAV1 Repl.	Partial Compliance. A section of the barrier fence around the site has blown over.	19-05-2025	Pending	The Contractor was requested to reinstate the barrier fence.
	Partial Compliance. The toilet onsite is secured to the ground but not latched.	19-05-2025	Pending	The Contractor was requested to ensure that the toilets onsite are always latched closed to prevent animals from entering.
T4/5	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil.	19-05-2025	Pending	The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
	Partial Compliance: Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted.	19-05-2025	Pending	The Contractor was instructed to remove the topsoil along the excavator route before excavation work continues.
	Topsoil stockpiles have not been covered with netting.	19-05-2025	Pending	The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



(c)



19-05-2025 09:00 – Pump houses at both HAV1 Repl. (a) and T4/5 are complete (b). Mechanical pumps are still to be installed. Trenching has begun at T4/5 for the pipeline installation (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025, 03-04-2025, 12-05-2025, and the 19-05-2025 by the Site ECO.

UMVOTO

EARTH | WATER | SCIENCE | LIFE

EMPLOYEE NAME	EMPLOYEE ID NUMBER	POSITION	SIGNATURE OF ATTENDANCE
Christopher Voyle		Civil Eng	
Thembe Ekos		Construction Supervisor	
K. Baduma		TLB Operator	
Thonga		S h	
Cobra			
Bonginkosi		SCAFFOLD ERECTOR	
Kathi		Kathi Bhuti	
M. Makatoha		HS OFFICER	
Z. Msakaya		HS Officer	
T. Gebhu			
B. Ngwebana		Ngwebana	
Lungisile		GENERAL WK	
Tom		Employer	
Edward		Site clerk	
Lwazi		General worker	
Luvuyo		General w	
Zola		General worker	
M.D Thanjiwe		General worker	

This programme was given by the ECO from Umvoto Africa (Pty) Ltd.

24/02/25
Date
20/03/25
19/05/25

Signature
(Environmental Control Officer)

19-05-2025 09:00 – EATC given to new staff at the site camp by the ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The Environmental Authorisation Part 1 Amendment was granted by the DEA&DP on 09-04-2025. On the 06-05-2025, the Client was notified that there were no comments received from any Interested and Affected Parties, and therefore the appeal period has been concluded. As such, trenching of the pipeline has commenced.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5 and site camp. The Contractor has used danger tape to demarcate the "no-go" area upslope of the trench line. An existing berm (already in place on the farm) is used as a physical downslope barrier. Should the Contractor move downslope of the berm they will be required to demarcate the downslope working area with tape and/or fencing. Partial Compliance at HAV1 Repl. See section "Temporary Site Closure" below.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **19-05-2025 09:00 – Tape and an existing berm are used to demarcate "no go" areas along the trench route.**				
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No new access roads or tracks have been constructed without the Landowner's consent.	Yes	No	N/A	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	Yes	No	N/A	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation outside of working areas.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the site is temporarily closed.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. Some sections of pipeline are being stored in a demarcated stockpile area along the pipeline route for easy access during pipe installation. No materials are being stored at HAV1 Repl.
 **19-05-2025 09:00 – Some sections of pipe have been stored in a temporary stockpile area along the pipeline route.**				
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	Partial compliance. MSDSs for petrol, diesel and cement are available in the site file but not for Bricure. The Contractor has been asked to provide this. Note, this is still outstanding since the 08-05-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.

(a)



(b)



19-05-2025 09:00 – Hazardous liquids are stored atop drip trays in the container at the site camp at T4/5 (a) and (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section “Handling, Use and Storage of Hazardous Substances” above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	Correctly implemented.



19-05-2025 09:00 – A drip tray has been used below the generator onsite at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Correctly implemented. All machine operators have received Environmental Awareness Training by the Site ECO. See section “Environmental Awareness Training” above.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented. See photograph in section ”Hydrocarbon Management (Fuels, Oils and lubricants)” above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.

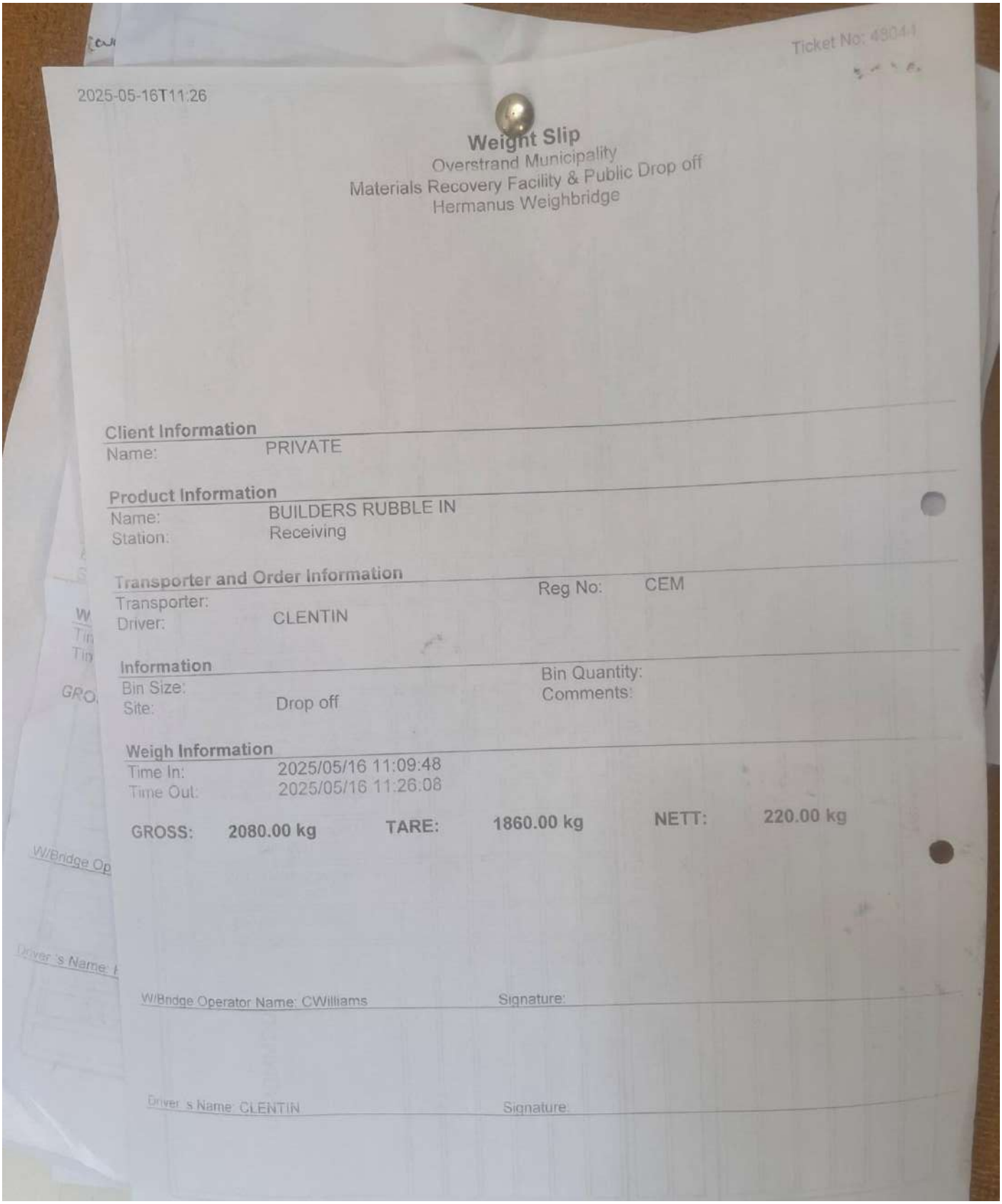
Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See section “Cement and Concrete Batching” below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	No cement works are currently underway. Concrete, when required, is brought to site in trucks and no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	No cement works are currently underway. Wastewater from tool washing (when required) is contained within a water drum onsite at T4/5.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug at the site camp at T4/5. When required, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl. due to temporary closure.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	No cement works are currently underway. These mitigations will be required should the use of cement/grout be required.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The toilet will remain onsite at HAV1 Repl. despite the temporary closure.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. Partial compliance at HAV1 Repl. The toilet door was not secured at the time of the inspection. The Contractor was requested to ensure toilet doors are always latched. The toilet will remain onsite at HAV1 Repl. despite the temporary closure.
 **19-05-2025 09:00 – The toilet door was not latched securely at HAV1 Repl.**				
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground. See photograph in section “Cement and Concrete Batching” above.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp at T4/5. HAV1 Repl. is temporarily closed and so no ash tray or fire extinguishers are required.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	**Yes**	**No**	**N/A**	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	**Yes**	**No**	**N/A**	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	**Yes**	**No**	**N/A**	Correctly implemented, all fire extinguishers are at the site camp at T4/5.
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at site camp.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	No waste has been buried or dumped at either site.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container as the site is temporarily closed.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor’s workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slip received for waste for general waste disposal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



Ticket No: 49041

2025-05-16T11:26

Weight Slip
Overstrand Municipality
Materials Recovery Facility & Public Drop off
Hermanus Weighbridge

Client Information
Name: PRIVATE

Product Information
Name: BUILDERS RUBBLE IN
Station: Receiving

Transporter and Order Information
Transporter:
Driver: CLENTIN
Reg No: CEM

Information
Bin Size:
Site: Drop off
Bin Quantity:
Comments:

Weigh Information
Time In: 2025/05/16 11:09:48
Time Out: 2025/05/16 11:26:08

GROSS: 2080.00 kg **TARE: 1860.00 kg** **NETT: 220.00 kg**

W/Bridge Operator Name: CWilliams Signature:

Driver's Name: CLENTIN Signature:

19-05-2025 09:00 – Waste disposal slip for general waste disposal on the 16-05-2025, pinned up in the site office at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented. No disposal of such has been competed yet.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	Correctly implemented Soil stockpiles are expected to be returned as backfill material within a couple of days from removal. As such no shade cloth is required. Should soil stockpiles be left for more than 2 weeks, shade cloth will be required to prevent soil loss or dust generation.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	Yes	No	N/A	Not required at this stage due to wet weather conditions.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	Yes	No	N/A	As above.
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	Yes	No	N/A	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractor's team.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	Yes	No	N/A	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	Yes	No	N/A	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	Yes	No	N/A	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	Yes	No	N/A	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	Yes	No	N/A	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	Yes	No	N/A	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	S&R has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. Remaining vegetation is to be included in the topsoil stockpiles as per the request of the specialist. Not required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Correctly implemented. Topsoil has been cleared in areas where trenching has begun. Trenching will occur in ~50 m sections starting from either end of the pipeline at T4/5. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl. as HAV1 Repl. is temporarily closed.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	Partial Compliance. Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted. The Contractor has been instructed to remove the topsoil along the excavator route before excavation work continues.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **19-05-2025 09:00 – A section of the T4/5 pipeline route where the excavator has passed over without first removing topsoil.**				
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil. The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
(a) 				

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



(c)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(d) 19-05-2025 09:00 – Topsoil stockpiles have been stored outside of the working areas but have not been demarcated as such (a) to (d).**				
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	**Yes**	**No**	**N/A**	Correctly implemented.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	**Yes**	**No**	**N/A**	Topsoil stockpiles have not been covered with netting. The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion. See images above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	**Yes**	**No**	**N/A**	Correctly implemented. Topsoil will be reinstated by the Rehabilitation Contractor once the pipeline has been completed.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	**Yes**	**No**	**N/A**	No erosion has occurred at either site.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	The Contractor has used danger tape to demarcate the "no-go" area upslope of the trench line. An existing berm (already in place on the farm) is used as a physical downslope barrier. Should the Contractor move downslope of the berm they will be required to demarcate the downslope working area with tape and or fencing. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl. as HAV1 Repl. is temporarily closed.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	Correctly implemented. The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No compacting has occurred as yet.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Correctly implemented. Soil stockpiles are expected to be returned as backfill material within a couple of days from removal.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	Correctly implemented. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl. as HAV1 Repl. is temporarily closed.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland or watercourse.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trancing has only just begun. This will be required for trenching going forward. Trenching will occur in ~50 m sections starting from either end of the pipeline at T4/5. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl. as HAV1 Repl. is temporarily closed.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	Trenching will occur in ~50 m sections starting from either end of the pipeline at T4/5.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	As above.
Clean water and dirty water systems are managed independently and be kept separately.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed, but will be checked by the ECO when completing the weekly site visit at T4/5.



19-05-2025 09:00 – HAV1 Repl. remains temporarily closed and is in a satisfactory state.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Fire extinguishers are serviced and accessible.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	There are no enclosed spaces onsite at HAV1 Repl.
All hazardous substance stores are securely locked.	Yes	No	N/A	There are no hazardous substances onsite at HAV1 Repl.
Fencing and barriers are in place.	Yes	No	N/A	Partial Compliance. A section of the barrier fence around at HAV1 Repl. has blown over. The Contractor was requested to reinstate the barrier fence.
 **19-05-2025 09:00 – A section of the barrier fence at HAV1 Repl. has blown over.**				
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	Correctly implemented. The small excavation at the water access point is open.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	Not required.
Cement and materials stores are secured.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Toilets are empty, secured, and lockable.	Yes	No	N/A	Partial compliance. The toilet at HAV1 Repl. was not locked at the time of the inspection. See photograph in section “Ablution and Toilet Facilities” above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	There are no refuse bins onsite at HAV1 Repl.
Contaminated water conservancy tank empty.	Yes	No	N/A	There are no water tanks onsite at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	There are no bunded areas onsite at HAV1 Repl.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	There are no drip trays onsite at HAV1 Repl. as it has been temporarily closed and there is no equipment and/or machinery left onsite requiring such.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	The small excavation at the water access point is open. See photograph in section “Water Use” above. The excavation is shallow and should not trap any animals and/or collect water.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.

(Environmental Control Officer: Melissa Weeks)

Date: 19-05-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	29-05-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Pump installation complete. The site remains temporarily closed with no Contractors onsite. T4/5: Pump installation underway and the trenching for pipeline installation is in progress. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial Compliance. The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	29-05-2025	The Contractor was requested to obtain a copy of this MSDS for the site file. The ECO tried finding this online but was unsuccessful.
HAV1 Repl.	Partial Compliance. A section of the barrier fence around the site has blown over.	19-05-2025	Pending	The Contractor was requested to reinstate the barrier fence. Note: on the 29-05-2025 a section of the barrier fence has been removed. The Contractor was requested to reinstate the barrier fence.
	Partial Compliance. The toilet onsite is secured to the ground but not latched.	19-05-2025	29-05-2025	The Contractor was requested to ensure that the toilets onsite are always latched closed to prevent animals from entering.
T4/5	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil.	19-05-2025	29-05-2025	The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
	Partial Compliance. Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted.	19-05-2025	29-05-2025	The Contractor was instructed to remove the topsoil along the excavator route before excavation work continues.
	Topsoil stockpiles have not been covered with netting.	19-05-2025	Pending	The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion.
	Some sections of the barrier tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area.	29-05-2025	Pending	The Contractor was requested to reinstate the danger tape.
	One generator onsite was correctly placed inside a drip tray, while the other was not. Additionally, the crane truck did not have any drip trays beneath it.	29-05-2025	Pending	The Contractor was instructed to ensure that all generators are placed inside drip trays and not directly on the ground, and that all vehicles have appropriate drip trays positioned underneath them.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(c)



(d)



29-05-2025, 09:30 – HAV1 Repl. remains temporarily closed (a) and the HAV1 Repl. pump has been installed (b). Pump installation is underway at T4/5 (c). Trenching and laying of the pipeline has begun at T4/5 (d).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training has been given by the ECO to local labour and/or Subcontractors onsite on the 20-03-2025, 03-04-2025, 12-05-2025, 19-05-2025, and 29-05-2025.

(a)

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PROOF OF ATTENDANCE

Workers from the Company Hidro Tech attended an Environmental Awareness Training Course held on 29 - 05 - 2025

The following members have attended the training programme and have a complete understanding of their environmental responsibilities. Their signatures in the table below confirm:

1. They have attended an introduction to an environmental induction training programme and have received induction training. They further understand and accept onsite that the company shall provide and maintain a working environment that is respectful to the environmental and in compliance to the Environmental Management Programme (EMPr).
2. The Environmental Control Officer (ECO) has provided them with the necessary information, instruction, training, and supervision to ensure compliance to the EMPr.
3. They understand and are aware that the ECO will enforce environmental compliance and any other such measures in the interest of maintaining the integrity of the environment.
4. They agree to take the reasonable care for the state of the environment and to obey the rules and procedures as laid down by the ECO.
5. They undertake to report all incidents which may affect the environment immediately to the site foreman or Site Manager.

EMPLOYEE NAME	EMPLOYEE ID NUMBER	POSITION	SIGNATURE OF ATTENDANCE
Ashwin	9208073004085	Supervisor	
Jayden	031102-5846041	General Worker	
Enrique	021222-5[illegible] 3085	General worker	

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UMVOTO
EARTH | WATER | SCIENCE | LIFE

PROOF OF ATTENDANCE

Workers from the Company Hiload attended an Environmental Awareness Training Course held on 12 May 25.

The following members have attended the training programme and have a complete understanding of their environmental responsibilities. Their signatures in the table below confirm:

1. They have attended an introduction to an environmental induction training programme and have received induction training. They further understand and accept onsite that the company shall provide and maintain a working environment that is respectful to the environmental and in compliance to the Environmental Management Programme (EMPr).
2. The Environmental Control Officer (ECO) has provided them with the necessary information, instruction, training, and supervision to ensure compliance to the EMPr.
3. They understand and are aware that the ECO will enforce environmental compliance and any other such measures in the interest of maintaining the integrity of the environment.
4. They agree to take the reasonable care for the state of the environment and to obey the rules and procedures as laid down by the ECO.
5. They undertake to report all incidents which may affect the environment immediately to the site foreman or Site Manager.

EMPLOYEE NAME	EMPLOYEE ID NUMBER	POSITION	SIGNATURE OF ATTENDANCE
V. Ngumashe		Pipe Layer	V. Ngumashe
Clinton Gqirana		Site Supervisor	
Mth: Bhuti		Finisher	
Vuyisani		Finisher	
Jason		Assitant	
Owen Granger		HDPE Welder	

12.05.25
29.05.25

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(b)

29-05-2025, 09:30 – EATC given to new staff at the site camp by the ECO on 29-05-2025 (a) and (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented, see above.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented, see above.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Partial Compliance at T4/5 and site camp. The Contractor has used danger tape to demarcate the "no-go" area upslope of the trench line. Some sections of the tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area. The Contractor was requested to reinstate the danger tape. Partial Compliance at HAV1 Repl. See section "Temporary Site Closure" below.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 29-05-2025, 09:30 – The barrier tape remains in place along most of the pipeline route (a), but it has been buried by subsoil along some sections (b).**				
Where environmentally sensitive areas are specified as “no-go” areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No roads are in need of repair but damage is looked out for.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No new access roads or tracks have been constructed without the Landowner's consent.	Yes	No	N/A	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	Yes	No	N/A	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation outside of working areas.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the site is temporarily closed.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. Some sections of pipeline are being stored in a demarcated stockpile area along the pipeline route for easy access during pipe installation. No materials are being stored at HAV1 Repl.

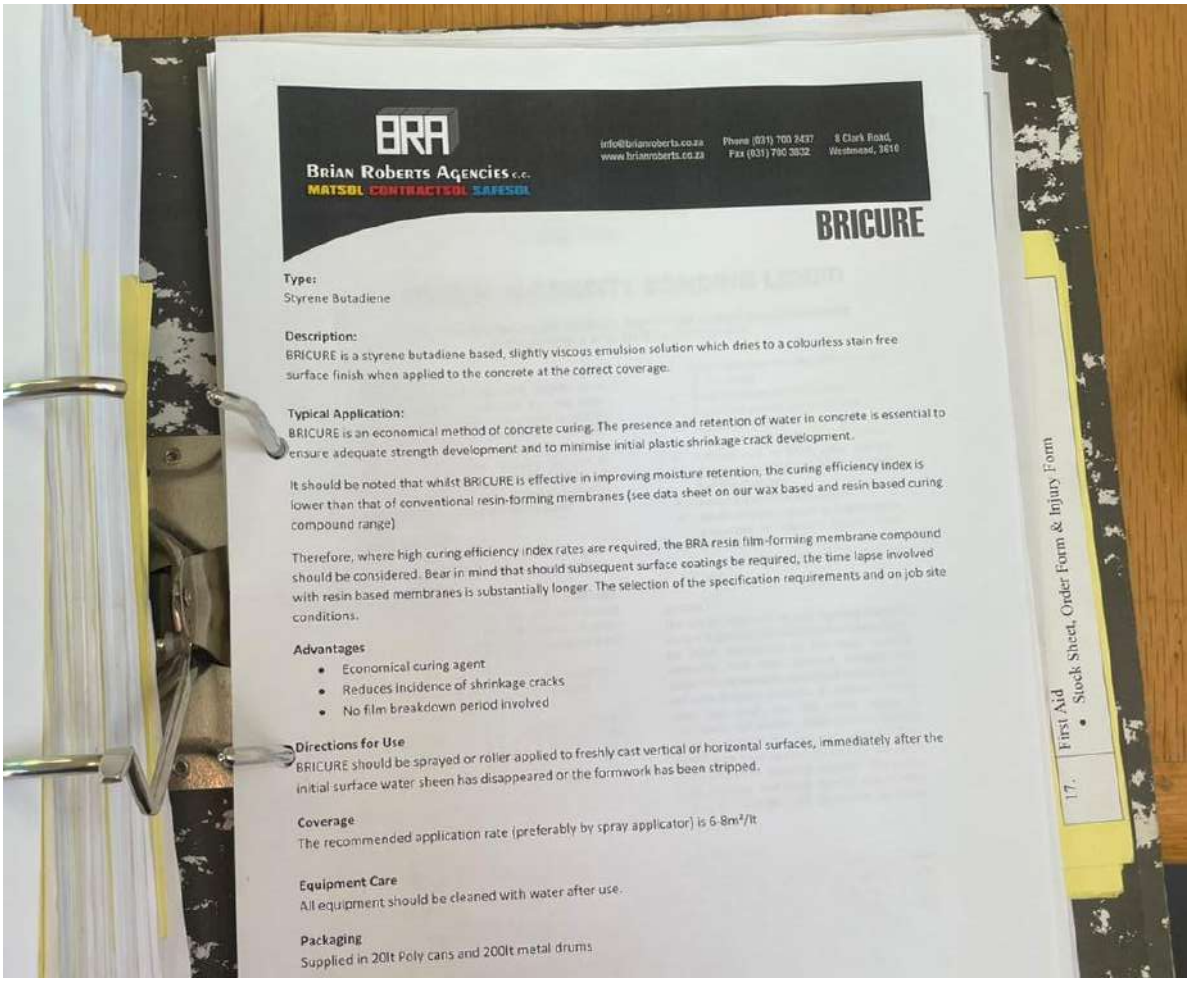
(a)



(b)



29-05-2025, 09:30 – Pipeline storage areas along the pipeline route (a) and (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel, cement, and Bricure are available in the site file.
 **29-05-2025, 09:30 – MSDS for Bricure has been added to the site file.**				
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **29-05-2025, 09:30 – Hazardous liquids are stored atop drip trays in the container at the site camp at T4/5.**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section “Handling, Use and Storage of Hazardous Substances” above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	One generator onsite was correctly placed inside a drip tray, while the other was not. Additionally, the crane truck did not have any drip trays beneath it. The Contractor was instructed to ensure that all generators are placed inside drip trays and not directly on the ground, and that all vehicles have appropriate drip trays positioned underneath them.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)

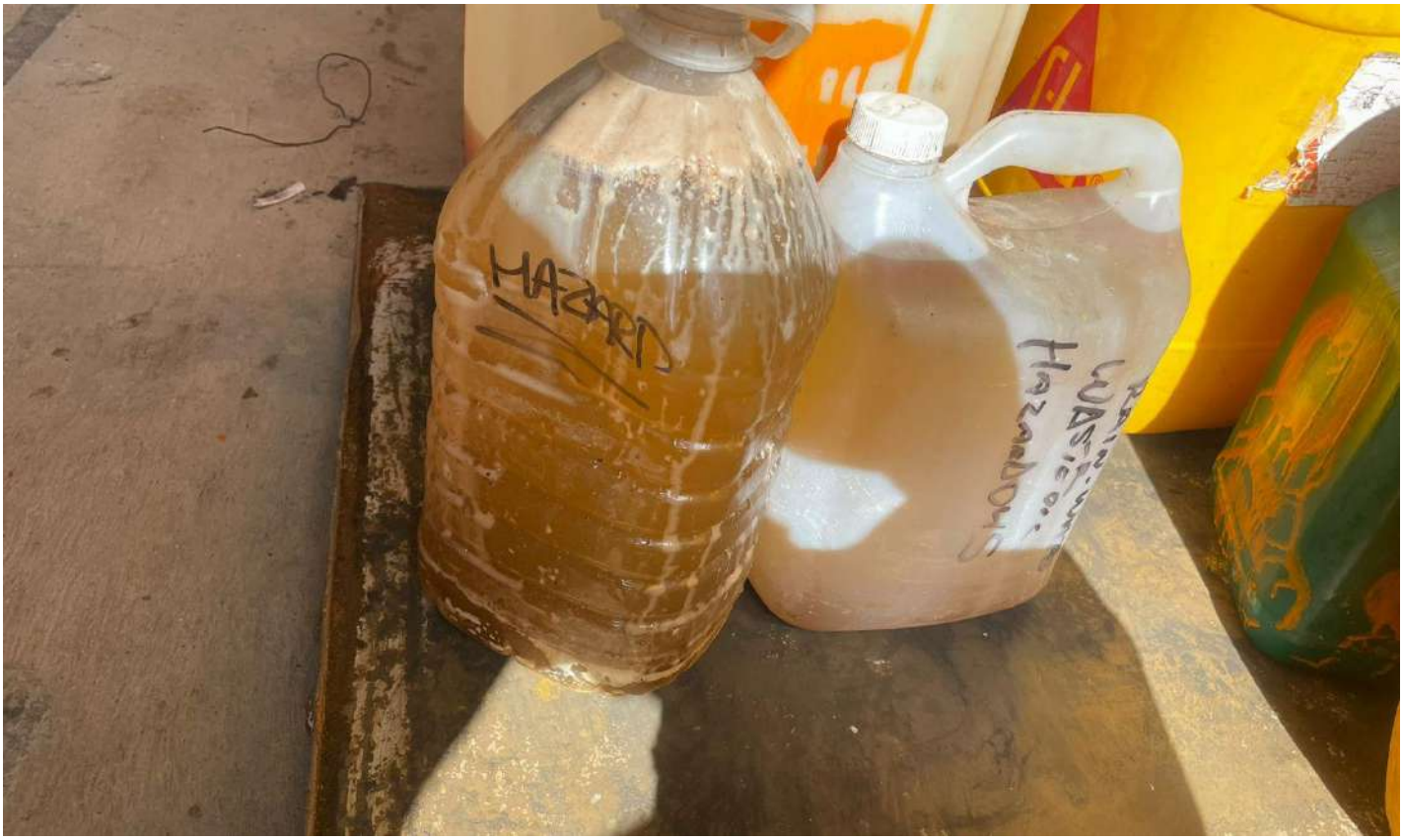


(c)



29-05-2025, 09:30 – A drip tray has been used below the generator onsite at T4/5 (a). However, the second generator did not have a drip tray beneath it (b) and neither did the crane truck (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Correctly implemented. All machine operators have received Environmental Awareness Training by the ECO. See section “Environmental Awareness Training” above.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented. See photograph in section ”Hydrocarbon Management (Fuels, Oils and lubricants)” above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **29-05-2025, 09:30 – Hazardous liquid waste in secure containers at the site camp.**				
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See section “Cement and Concrete Batching” below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	No cement works are currently underway. Concrete, when required, is brought to site in trucks and no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	No cement works are currently underway. Wastewater from tool washing (when required) is contained within a water drum onsite at T4/5.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	**Yes**	**No**	**N/A**	No sump has been dug at the site camp at T4/5. When required, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl. due to temporary closure.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	No cement works are currently underway. These mitigations will be required should the use of cement/grout be required.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	Yes	No	N/A	Correctly implemented at both sites. The toilet will remain onsite at HAV1 Repl. despite the temporary closure.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	Yes	No	N/A	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	Correctly implemented at both sites. The toilets are both latched and locked.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **29-05-2025, 09:30 – The toilet door which was not latched securely at HAV1 Repl. during the inspection on the 19-05-2025 has been correctly latched during the current inspection.**				
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **29-05-2025, 09:30 – Water for construction is taken from the municipal line at the old HAV1 borehole.**				
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. HAV1 Repl. is temporarily closed and so no ash tray or fire extinguishers are required.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented. All fire extinguishers are at the site camp at T4/5.
 **29-05-2025, 09:30 – It is noted that fire extinguishers are placed next to generators along the pipeline route.**				
The Contractor has submitted an EMS to the ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at the site camp at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	Correctly implemented at T4/5. The Contractor who installed the pump at HAV1 Repl. left a large amount of litter onsite. The ECO collected the litter in a bag and gave it to the same Contractor for disposal. The Contractor was requested to return to HAV1 Repl. and complete a final litter sweep.



29-05-2025, 09:30 – Litter collected at HAV1 Repl. by the ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled "R" for recyclable waste and "G" for general waste. The bins for HAV1 Repl. are being stored in the site container as the site is temporarily closed.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips are pinned to the board in the site office. No further waste disposal has occurred since the 16-05-2025.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	Yes	No	N/A	Correctly implemented. No disposal of such has been completed yet.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	Yes	No	N/A	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	Yes	No	N/A	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	Yes	No	N/A	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	Yes	No	N/A	Not required at this stage. Will be implemented if required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Employees are provided with adequate PPE with respect to ear protection.	Yes	No	N/A	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	Yes	No	N/A	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	Yes	No	N/A	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	Yes	No	N/A	Correctly implemented. Soil stockpiles are expected to be returned as backfill material within a couple of days from removal. As such, no shade cloth is required. Should soil stockpiles be left for more than 2 weeks, shade cloth will be required to prevent soil loss and/or dust generation.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	Yes	No	N/A	Not required at this stage due to wet weather conditions.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	Yes	No	N/A	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	Yes	No	N/A	Correctly implemented. Environmental (“dos and don’ts”) posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractor’s team.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	Yes	No	N/A	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality’s Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor’s office and near the onsite telephone, and are retained in the Site file.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. Remaining vegetation is to be included in the topsoil stockpiles as per the request of the Specialist. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Correctly implemented. Topsoil has been cleared in areas where trenching has begun. Trenching will occur in ~50 m sections starting from either end of the pipeline at T4/5. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	Topsoil clearance in progress along the pipeline route in some areas where the excavators are operating to prevent compaction.

(a)



(b)



29-05-2025, 09:30 – Topsoil stripping in progress in order to prevent compaction (a). Some areas still need to be completed (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	The Contractor has separated the topsoil from the subsoil and has demarcated the topsoil with orange netting. However, the topsoil is still to be covered to prevent erosion. The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and prevent erosion of stockpiles.

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(c)



(d)



29-05-2025, 09:30 – Topsoil stockpiles have been stored outside of the working areas and demarcated with orange netting. Topsoil stockpiles are yet to be covered with shade cloth to prevent erosion (a) to (d).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	Correctly implemented.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	Topsoil stockpiles have not been covered with netting. The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion. See photographs above. This has been outstanding since the 19-05-2025.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	Correctly implemented. Topsoil will be reinstated by the Rehabilitation Contractor once the pipeline has been completed.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred at either site.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	Partial Compliance. See photographs in section "Site Division, Demarcation and "No-Go" Areas" above. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	Correctly implemented. The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No compacting has occurred as yet.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Correctly implemented. Soil stockpiles are expected to be returned as backfill material within a couple of days from removal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	Correctly implemented. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland and/or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	Trenching has only just begun and the first section of trench is still open. This line item will be required for trenching going forward. Trenching will occur in ~50 m sections starting from either end of the pipeline at T4/5. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	Trenching will occur in ~50 m sections starting from either end of the pipeline at T4/5.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses and/or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	Correctly implemented. One trench has a small amount of water in it which is being allowed to seep back into the ground.
 **29-05-2025, 09:30 – The first section of trench has a small amount of water in it, which will be allowed to seep into the ground.**				
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	No water is being removed from site as yet.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	No runoff pathways have been observed but erosion throughout the site, not just the stockpile areas, is being looked out for.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	Not required at this stage.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed, but will be checked by the ECO when completing the weekly site visit at T4/5.



29-05-2025, 09:30 – HAV1 Repl. remains temporarily closed and is in a satisfactory state.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Fire extinguishers are serviced and accessible.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	There are no enclosed spaces onsite at HAV1 Repl.
All hazardous substance stores are securely locked.	Yes	No	N/A	There are no hazardous substances onsite at HAV1 Repl.
Fencing and barriers are in place.	Yes	No	N/A	Partial Compliance. The section of the barrier fence around HAV1 Repl. which had blown over was reinstated. However, the Contractor removed a portion of the fence for use at T4/5. The Contractor was requested to reinstate the barrier fence. See photograph above.
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	Correctly implemented. The small excavation at the water access point is open.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	Not required.
Cement and materials stores are secured.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Toilets are empty, secured, and lockable.	Yes	No	N/A	Correctly implemented. See section “Ablution and Toilet Facilities” above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	There are no refuse bins onsite at HAV1 Repl.
Contaminated water conservancy tank empty.	Yes	No	N/A	There are no water tanks onsite at HAV1 Repl.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	Yes	No	N/A	There are no bunded areas onsite at HAV1 Repl.
Drip trays are empty and secure.	Yes	No	N/A	There are no drip trays onsite at HAV1 Repl. as it has been temporarily closed and there is no equipment and/or machinery left onsite requiring such.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	Yes	No	N/A	The small excavation at the water access point is open. See photograph in section “Water Use” above. The excavation is shallow and should not trap any animals and/or collect water.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	Yes	No	N/A	Work is ongoing. Not required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 29-05-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	05-06-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	10:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: The site remains temporarily closed with no Contractors onsite. T4/5: Pump installation is on hold due to a blockage down the borehole and the trenching for pipeline installation is in progress. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the excavator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial Compliance. The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle's entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	29-05-2025	The Contractor was requested to obtain a copy of this MSDS for the site file. The ECO tried finding this online but was unsuccessful.
HAV1 Repl.	Partial Compliance. A section of the barrier fence around the site has blown over.	19-05-2025	05-06-2025	The Contractor was requested to reinstate the barrier fence. Note: on the 29-05-2025 a section of the barrier fence has been removed. The Contractor was requested to reinstate the barrier fence.
	Partial Compliance. The toilet onsite is secured to the ground but not latched.	19-05-2025	29-05-2025	The Contractor was requested to ensure that the toilets onsite are always latched closed to prevent animals from entering.
T4/5	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil.	19-05-2025	29-05-2025	The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
	Partial Compliance. Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted.	19-05-2025	29-05-2025	The Contractor was instructed to remove the topsoil along the excavator route before excavation work continues.
	Topsoil stockpiles have not been covered with netting.	19-05-2025	Pending	The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion. 05-06-2025: Majority of the topsoil stockpiles have been covered with shade cloth, but not all.
	Some sections of the barrier tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area.	29-05-2025	Pending	The Contractor was requested to reinstate the danger tape.
	One generator onsite was correctly placed inside a drip tray, while the other was not. Additionally, the crane truck did not have any drip trays beneath it.	29-05-2025	05-06-2025	The Contractor was instructed to ensure that all generators are placed inside drip trays and not directly on the ground, and that all vehicles have appropriate drip trays positioned underneath them.
	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation.	05-06-2025	Pending	The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation.
	The majority of the trench remains open due to time constraints and the approaching rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS.	05-06-2025	Pending	The Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(c) 05-06-2025, 10:30 – HAV1 Repl. remains temporarily closed (a). The pump has been installed at T4/5 (b). Trenching and laying of the pipeline is in progress at T4/5 (c).**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training has been given by the ECO to local labour and/or Subcontractors onsite on the 20-03-2025, 03-04-2025, 12-05-2025, 19-05-2025, and 29-05-2025.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Partial Compliance at T4/5 and the site camp. The Contractor has used danger tape to demarcate the "no-go" area upslope of the trench line. Some sections of the tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area. The Contractor was requested to reinstate the danger tape. Correctly implemented at HAV1 Repl.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



(c)



05-06-2025, 10:30 – The barrier tape remains in place along most of the pipeline route (a), but it has been buried by subsoil along some sections (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Where environmentally sensitive areas are specified as “no-go” areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	Yes	No	N/A	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	Yes	No	N/A	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	Yes	No	N/A	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	Yes	No	N/A	No roads are in need of repair but damage is looked out for.
No new access roads or tracks have been constructed without the Landowner’s consent.	Yes	No	N/A	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	Yes	No	N/A	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation outside of working areas.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the site is temporarily closed.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. Some sections of pipeline are being stored in a demarcated stockpile area along the pipeline route for easy access during pipe installation. No materials are being stored at HAV1 Repl.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel, cement, and Bricure are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **05-06-2025, 10:30 – Hazardous liquids are stored atop drip trays in the container at the site camp at T4/5.**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section “Handling, Use and Storage of Hazardous Substances” above.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **05-06-2025, 10:30 – A drip tray has been used below a generator along the pipeline route at T4/5.**				
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	**Yes**	**No**	**N/A**	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	**Yes**	**No**	**N/A**	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	**Yes**	**No**	**N/A**	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	**Yes**	**No**	**N/A**	Correctly implemented. All machine operators have received Environmental Awareness Training by the ECO. See section “Environmental Awareness Training” above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	**Yes**	**No**	**N/A**	There is currently no leaking equipment or vehicles emitting noticeably excessive fumes onsite.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred onsite.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	Correctly implemented. See photograph in section "Hydrocarbon Management (Fuels, Oils and Lubricants)" above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See section "Cement and Concrete Batching" below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	No cement works are currently underway. Concrete, when required, is brought to site in trucks and no small batching has occurred.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	No cement works are currently underway. Wastewater from tool washing (when required) is contained within a water drum onsite at T4/5.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	**Yes**	**No**	**N/A**	No sump has been dug at the site camp at T4/5. When required, the Contractor is washing tools in a water drum. No washing of tools is occurring at HAV1 Repl. due to temporary closure.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **05-06-2025, 10:30 – A tank full of rainwater is onsite at T4/5 for washing of cement and soil-covered tools.**				
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	**Yes**	**No**	**N/A**	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	**Yes**	**No**	**N/A**	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	**Yes**	**No**	**N/A**	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	**Yes**	**No**	**N/A**	There are no empty cement bags onsite at either site as concrete is brought to site in trucks.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	**Yes**	**No**	**N/A**	No cement works are currently underway. These mitigations will be required should the use of cement/grout be required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	Yes	No	N/A	Correctly implemented at T4/5. The toilet at HAV1 Repl. has been removed due to temporary closure. See photograph in section “Temporary Site Closure” below.
Toilet facilities are located within the Contractor’s camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	Yes	No	N/A	Correctly implemented at T4/5.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	Correctly implemented at T4/5.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	Yes	No	N/A	Correctly implemented at T4/5.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented at T4/5.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	Yes	No	N/A	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	Yes	No	N/A	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. HAV1 Repl. is temporarily closed and so no ash tray or fire extinguishers are required.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented. All fire extinguishers are at the site camp at T4/5 and along the pipeline route.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



05-06-2025, 10:30 – Fire extinguisher placed next to the generator along the pipeline route (a) and the rest are stored in the site office (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has submitted an EMS to the ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at the site camp at T4/5.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	Correctly implemented at T4/5. The Contractor who installed the pump at HAV1 Repl. left a large amount of litter onsite during the inspection on the 29-05-2025. The Contractor returned to the site to pick up any remaining litter which was not removed by the ECO. HAV1 Repl. has now been left clean, with no litter onsite.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container as the site is temporarily closed.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor’s workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips from the Civils Contractor are pinned to the board in the site office at T4/5. No further waste disposal has occurred since the 16-05-2025. Waste disposals slip received from the Pump Installation Contractor for general waste disposal.

HIDRO-TECH® Systems (Pty) Ltd.

Affidavit of Waste Disposal

I Tiaan Siebrits, the undersigned, do hereby affirm the following:

1. I am a representative of **HidroTech (Pty) Ltd**, duly authorized to make this statement.
2. On 6 June 2025, waste material was disposed of at the **HidroTech office premises located at 2 Tedric Ave Stikland Industrial** .
3. The waste was non-hazardous.
4. The disposal was carried out in accordance with our internal waste management protocol and was removed through the **municipal waste disposal stream**, as provided by the local municipality.
5. To the best of my knowledge, the disposal was conducted lawfully and responsibly, with no breach of environmental regulations.





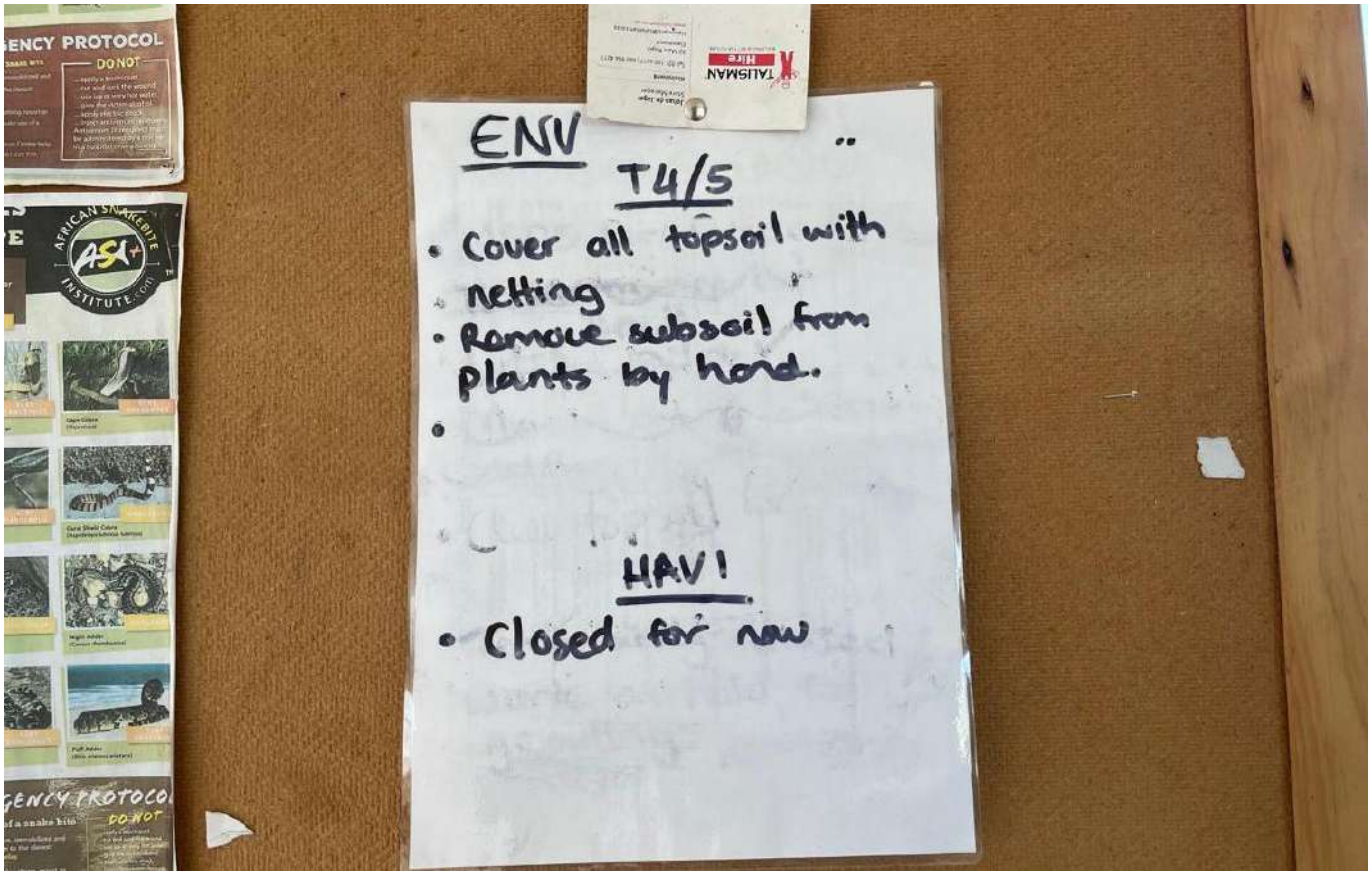
Signature:..... **Date: 09 June 2025**
Tiaan Siebrits
0843433687

SACPCMP — CONSTRUCTING new PERSPECTIVES —
HIDRO-TECH® SYSTEMS (PTY) LTD

09-06-2025, 15:30 – Waste disposal slip received from the Pump Installation Contractor for general waste disposal.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented. No disposal of such has been completed yet.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	Correctly implemented. Soil stockpiles are expected to be returned as backfill material within a couple of days from removal. As such, no shade cloth is required. Soil stockpiles are in the process of being returned as backfill material.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage due to wet weather conditions.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractor's team.



05-06-2025, 10:30 – The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor.

Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. Remaining vegetation is to be included in the topsoil stockpiles as per the request of the Specialist. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Correctly implemented. Topsoil has been cleared along the entire length of the pipeline to avoid compaction from excavators and timeline delays. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	**Yes**	**No**	**N/A**	All topsoil along the pipeline route has been cleared.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	The Contractor has separated the topsoil from the subsoil and has demarcated the topsoil with orange or green netting. Some topsoil piles have been covered to prevent erosion, but not all of it. The Contractor was requested to cover the remaining topsoil with netting to ensure it is kept separate from the subsoil and prevent erosion of stockpiles.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



(c)



(d)



(e)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (f) **05-06-2025, 10:30 – Some topsoil stockpiles have been correctly covered with netting (a) to (d), while some stockpiles are still waiting to be covered with shade cloth (e) and (f).**				
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	**Yes**	**No**	**N/A**	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation. The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation.
 (a)				

(b)



(c)



(d)



(e)



05-06-2025, 10:30 – Subsoil has been placed outside of the demarcated area on top of the adjacent vegetation.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	Some topsoil stockpiles have been covered with netting whilst some have not been covered. The ECO has requested netting be placed over all topsoil stockpiles for demarcation and to prevent erosion. See photographs above. This has been outstanding since the 19-05-2025.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	Correctly implemented. Topsoil will be reinstated by the Rehabilitation Contractor once the pipeline has been completed.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred at either site.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	Not required at this stage.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	Partial Compliance. See photographs in section "Site Division, Demarcation and "No-Go" Areas" above. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	Correctly implemented. The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No compacting has occurred as yet.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Subsoil stockpiles have been placed outside of the demarcated area. See photographs in section "Topsoil Management" above.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	Trenches are backfilled with original subsoil material.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **05-06-2025, 10:30 – In situ subsoil is satisfactorily used as backfill material.**				
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	No rehabilitation has begun.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Correctly implemented. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	Trenching will not occur adjacent or next to a wetland and/or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	**Yes**	**No**	**N/A**	The majority of the trench remains open due to time constraints and the approaching rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS. While the subsoil is currently outside the demarcated area, the Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	See above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses and/or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	Correctly implemented. One section of trench has a small amount of water in it which is being allowed to seep back into the ground.



05-06-2025, 10:30 – The first section of trench has a small amount of water in it, which will be allowed to seep into the ground.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	No water is being removed from site as yet.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	No runoff pathways have been observed but erosion throughout the site, not just the stockpile areas, is being looked out for.
Clean water and dirty water systems are managed independently and be kept separately.	Yes	No	N/A	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	Yes	No	N/A	The Contractor has been requested to put erosion and stormwater management measures in place as the wet season has started, and erosion will be monitored going forward.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	Yes	No	N/A	Stormwater is not currently an issue and does not need to be directed towards stabilised areas as yet. However, this will be addressed as and when this is needed.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	Yes	No	N/A	No increased runoff to date.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	Yes	No	N/A	HAV1 Repl. has been temporarily closed, but will be checked by the ECO when completing the weekly site visit at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **05-06-2025, 10:30 – HAV1 Repl. remains temporarily closed and is in a satisfactory state.**				
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	There are no enclosed spaces onsite at HAV1 Repl.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	There are no hazardous substances onsite at HAV1 Repl.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	Correctly implemented. The section of the fence which was removed has been reinstated.
 **05-06-2025, 10:30 – The barrier fence has been reinstated at HAV1 Repl.**				

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	Correctly implemented. The small excavation at the water access point is open.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	Not required.
Cement and materials stores are secured.	Yes	No	N/A	HAV1 Repl. has been temporarily closed and no equipment and/or machinery has been left onsite.
Toilets are empty, secured, and lockable.	Yes	No	N/A	The chemical toilet has been removed from HAV1 Repl.



05-06-2025, 10:30 – The toilet has been removed from HAV1 Repl.

Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	There are no refuse bins onsite at HAV1 Repl.
Contaminated water conservancy tank empty.	Yes	No	N/A	There are no water tanks onsite at HAV1 Repl.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	Yes	No	N/A	There are no bunded areas onsite at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	There are no drip trays onsite at HAV1 Repl. as it has been temporarily closed and there is no equipment and/or machinery left onsite requiring such.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	The small excavation at the water access point is open. See photograph in section “Water Use” above. The excavation is shallow and should not trap any animals and/or collect water.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 05-06-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	13-06-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	12:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Shuttering has been built for a concrete foundation for an electrical box to be installed. There were no Contractors onsite at the time of the inspection. T4/5: Pump installation is on hold due to a blockage down the borehole; and the trenching for pipeline installation is in progress. Cement works underway for the foundation of the electrical box to be installed. Trenching and backfilling is ongoing. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the excavator.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial Compliance. The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle’s entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	29-05-2025	The Contractor was requested to obtain a copy of this MSDS for the site file. The ECO tried finding this online but was unsuccessful.
HAV1 Repl.	Partial Compliance. A section of the barrier fence around the site has blown over.	19-05-2025	05-06-2025	The Contractor was requested to reinstate the barrier fence. Note: on the 29-05-2025 a section of the barrier fence has been removed. The Contractor was requested to reinstate the barrier fence.
	Partial Compliance. The toilet onsite is secured to the ground but not latched.	19-05-2025	29-05-2025	The Contractor was requested to ensure that the toilets onsite are always latched closed to prevent animals from entering.
T4/5	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil.	19-05-2025	29-05-2025	The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
	Partial Compliance. Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted.	19-05-2025	29-05-2025	The Contractor was instructed to remove the topsoil along the excavator route before excavation work continues.
	Topsoil stockpiles have not been covered with netting.	19-05-2025	Pending	The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion. 05-06-2025: Majority of the topsoil stockpiles have been covered with shade cloth, but not all.
	Some sections of the barrier tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area.	29-05-2025	13-06-2025	The Contractor was requested to reinstate the danger tape.
	One generator onsite was correctly placed inside a drip tray, while the other was not. Additionally, the crane truck did not have any drip trays beneath it.	29-05-2025	05-06-2025	The Contractor was instructed to ensure that all generators are placed inside drip trays and not directly on the ground, and that all vehicles have appropriate drip trays positioned underneath them.
	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation.	05-06-2025	Pending	The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	The majority of the trench remains open due to time constraints and the approaching rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS.	05-06-2025	Pending	The Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances.
	The large excavator onsite is leaking oil from underneath onto a plastic sheet. This is a new leak and unrelated to the leak identified on 14-03-2025. No evidence of spills beneath the sheet are evident.	13-06-2025	Pending	The Contractor has been requested to repair the excavator or remove it from site.
	Partial Compliance: A small amount of cement has been spilled outside the shuttering.	13-06-2025	Pending	The Contractor was requested to wait for the cement to dry and then pick it up and dispose of it as rubble.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.



(a)

(b)



(c)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(d) 13-06-2025, 12:30 – Shuttering for cement pouring has been setup at HAV1 Repl. (a). The Contractor was not onsite at the time of the inspection (b). Cement pouring is underway at T4/5 for the installation of an electrical box (c). Trenching and laying of the pipeline is in progress at T4/5 (d).**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training has been given by the ECO to local labour and/or Subcontractors onsite on the 20-03-2025, 03-04-2025, 12-05-2025, 19-05-2025, and 29-05-2025.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.

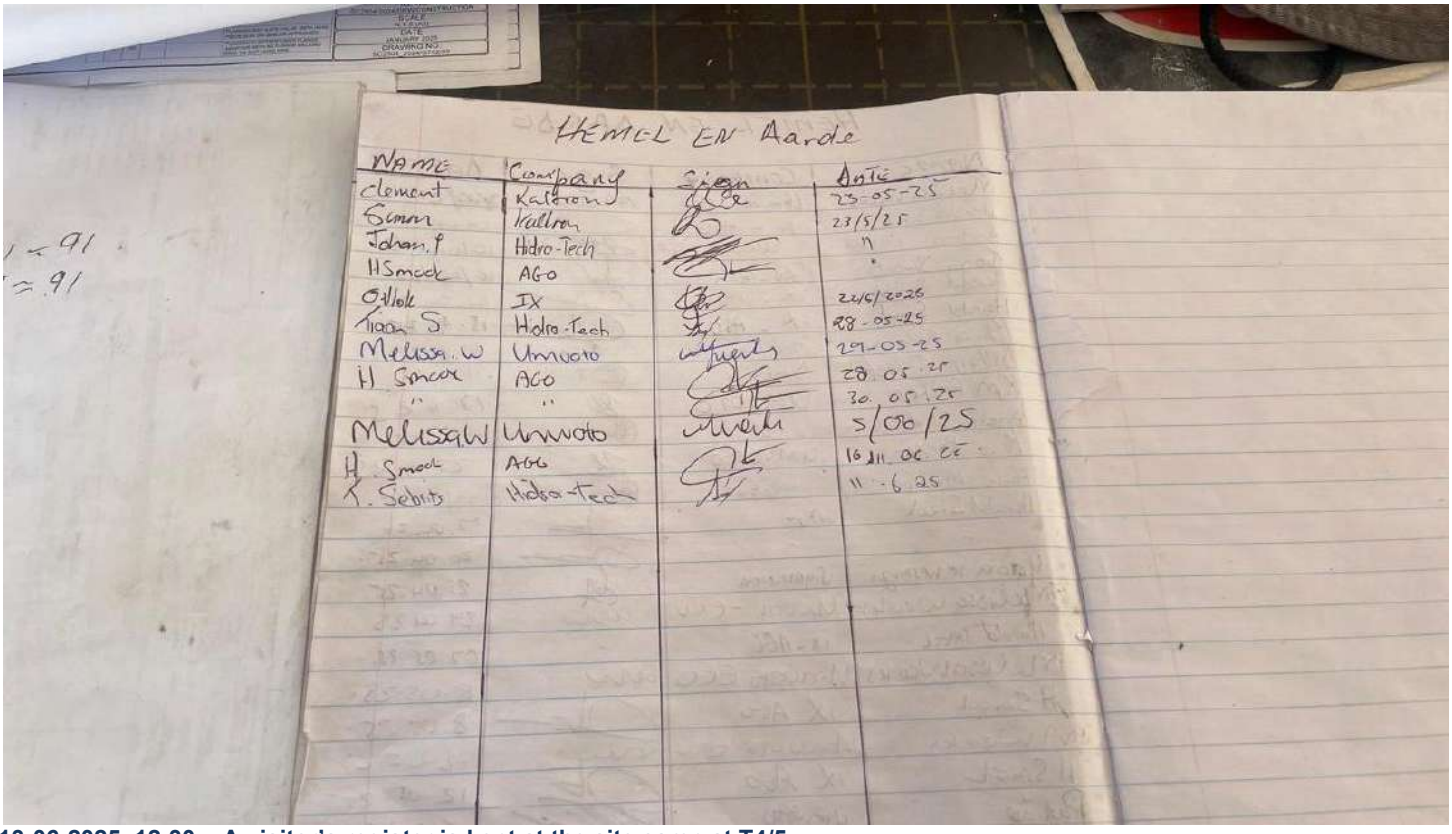
Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl and T4/5. The Contractor has reinstated the tape which was buried at T4/5 by subsoil.

(a)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) 13-06-2025, 12:30 – The Contractor has reinstated the tape along the upslope boundary (a) and (b).				
Where environmentally sensitive areas are specified as “no-go” areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	Yes	No	N/A	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	Yes	No	N/A	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	The road leading to HAV1 Repl. is slowly being damaged by erosion, which happens regularly in this area. As the site has been temporarily closed, this is not the fault of the Contractor but general/normal degradation. The Contractor will repair the road should it be deemed necessary for access as and when work starts again. No damage to roads has been observed at T4/5.
 **13-06-2025, 12:30 – The road leading to HAV1 Repl. has been damaged by erosion.**				
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	**Yes**	**No**	**N/A**	Correctly implemented. Vehicles are not driving over vegetation outside of working areas.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	**Yes**	**No**	**N/A**	No directional signage is currently required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Eating Areas				
The Contractor has designated eating areas within the approved camp.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the Contractor is not onsite.
The feeding of, or leaving of food for, animals is strictly prohibited.	**Yes**	**No**	**N/A**	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	**Yes**	**No**	**N/A**	Correctly implemented. See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	**Yes**	**No**	**N/A**	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.
 **13-06-2025, 12:30 – A visitor's register is kept at the site camp at T4/5.**				
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. No materials are being stored at HAV1 Repl.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel, cement, and Bricure are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section "Handling, Use and Storage of Hazardous Substances" above. There is no machinery or equipment at HAV1 Repl.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **13-06-2025, 12:30 – A drip tray has been used below a generator along the pipeline route at T4/5.**				
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	**Yes**	**No**	**N/A**	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	**Yes**	**No**	**N/A**	Correctly implemented. Smoking occurs at the site camp at T4/5. There is no smoking at HAV1 Repl. as there are no Contractors onsite.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	**Yes**	**No**	**N/A**	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	**Yes**	**No**	**N/A**	No refuelling has been observed by the ECO.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	**Yes**	**No**	**N/A**	Correctly implemented. All machine operators have received Environmental Awareness Training by the ECO. See section “Environmental Awareness Training” above.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	**Yes**	**No**	**N/A**	The large excavator onsite is leaking oil onto a plastic sheet at T4/5. No evidence of spills beneath the sheet are evident. The Contractor has been requested to repair the excavator or remove it from site, which was done on 16-06-2025 as per the line item below.



13-06-2025, 12:30 – The large excavator at T4/5 is leaking oil onto a plastic sheet. No spills were observed on the ground beneath the plastic sheet.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	Correctly implemented. The leak was detected on the 13-05-2025 (Friday afternoon). The mechanic was immediately called to repair the excavator which was not used until repairs took place on Monday morning (16-06-2025). The excavator could not be removed from site to be repaired offsite as doing so could risk an oil spill. The repair took place along the pipeline route which is not deemed a sensitive area. The Contractor was instructed to place plastic and drip trays beneath the excavator whilst completing the repairs.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented. See photograph in section ”Hydrocarbon Management (Fuels, Oils and Lubricants)” above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See section “Cement and Concrete Batching” below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	Correctly implemented. The Contractor had both plastic sheeting and a wooden board in place beneath the opening of the cement mixer to prevent spills. Cement batching is yet to occur at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **13-06-2025, 12:30 – Mitigations in place for cement batching at T4/5.**				
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **13-06-2025, 12:30 – Cement bags are stored in the container at the site camp at T4/5.**				
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	Wastewater from tool washing is contained within a water drum onsite at T4/5.
 **13-06-2025, 12:30 – Cement bags and tools are wet and washed in a large drum onsite at T4/5.**				

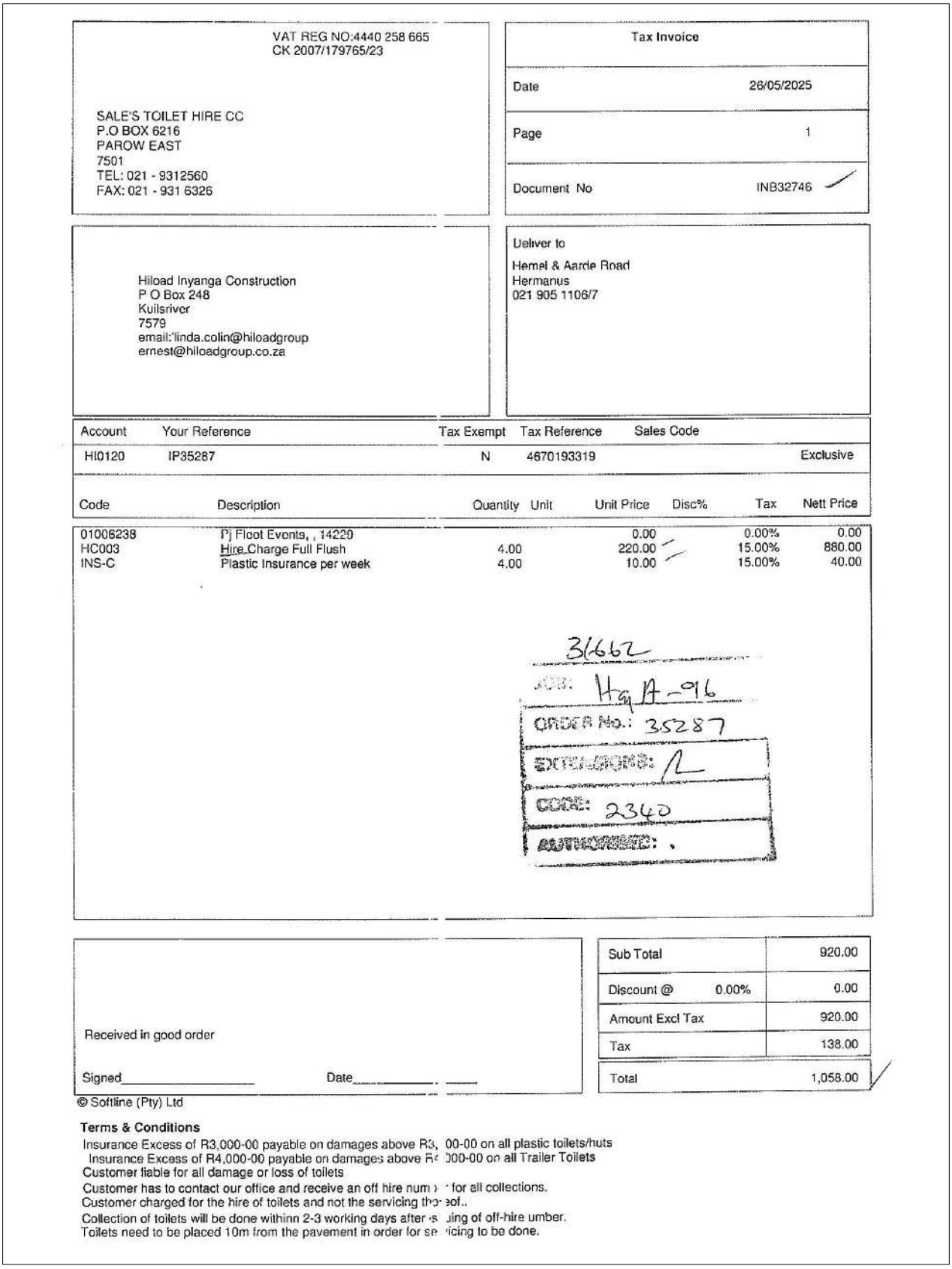
Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug at the site camp at T4/5. The Contractor is washing tools in a water drum. The Contractor was reminded that no washing of tools at HAV1 Repl. is allowed due to there being no sump onsite. Tools are to be cleaned in the tank at T4/5 only.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	Empty cement bags are submerged in a water drum at site camp to neutralise chemicals and allowed to dry to be disposed of as general waste. See image above.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	Partial compliance. A small amount of cement has been spilled outside the shuttering at T4/5. The Contractor was requested to wait for the cement to dry before digging it up and disposing of it as rubble with the general waste. No cement work has taken place at HAV1 Repl. yet.



13-06-2025, 12:30 – A small amount of cement has spilled outside of the shuttering whilst doing cement work at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	Yes	No	N/A	Correctly implemented at T4/5. The toilet at HAV1 Repl. has been removed, as the Contractor is not currently working at that site. However, if the Contractor begins working at HAV1 Repl. more frequently and for extended periods (e.g., full days), a toilet will need to be reinstated.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	Yes	No	N/A	As above.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	As above.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



VAT REG NO:4440 258 665
CK 2007/179765/23

SALE'S TOILET HIRE CC
P.O BOX 6216
PAROW EAST
7501
TEL: 021 - 9312560
FAX: 021 - 931 6326

Tax Invoice

Date 26/05/2025

Page 1

Document No INB32746

Hiload Inyanga Construction
P O Box 248
Kuilsriver
7579
email:'linda.colin@hiloadgroup
ernest@hiloadgroup.co.za

Deliver to
Hemel & Aarde Road
Hermanus
021 905 1106/7

Account	Your Reference	Tax Exempt	Tax Reference	Sales Code	
HI0120	IP35287	N	4670193319		Exclusive

Code	Description	Quantity	Unit	Unit Price	Disc%	Tax	Nett Price
01006238	Pj Float Events, , 14229			0.00		0.00%	0.00
HC003	Hire Charge Full Flush	4.00		220.00		15.00%	880.00
INS-C	Plastic Insurance per week	4.00		10.00		15.00%	40.00

3662
Hq A-96
ORDER No.: 35287
2340

Received in good order

Signed _____ Date _____

Sub Total		920.00
Discount @	0.00%	0.00
Amount Excl Tax		920.00
Tax		138.00
Total		1,058.00

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Terms & Conditions

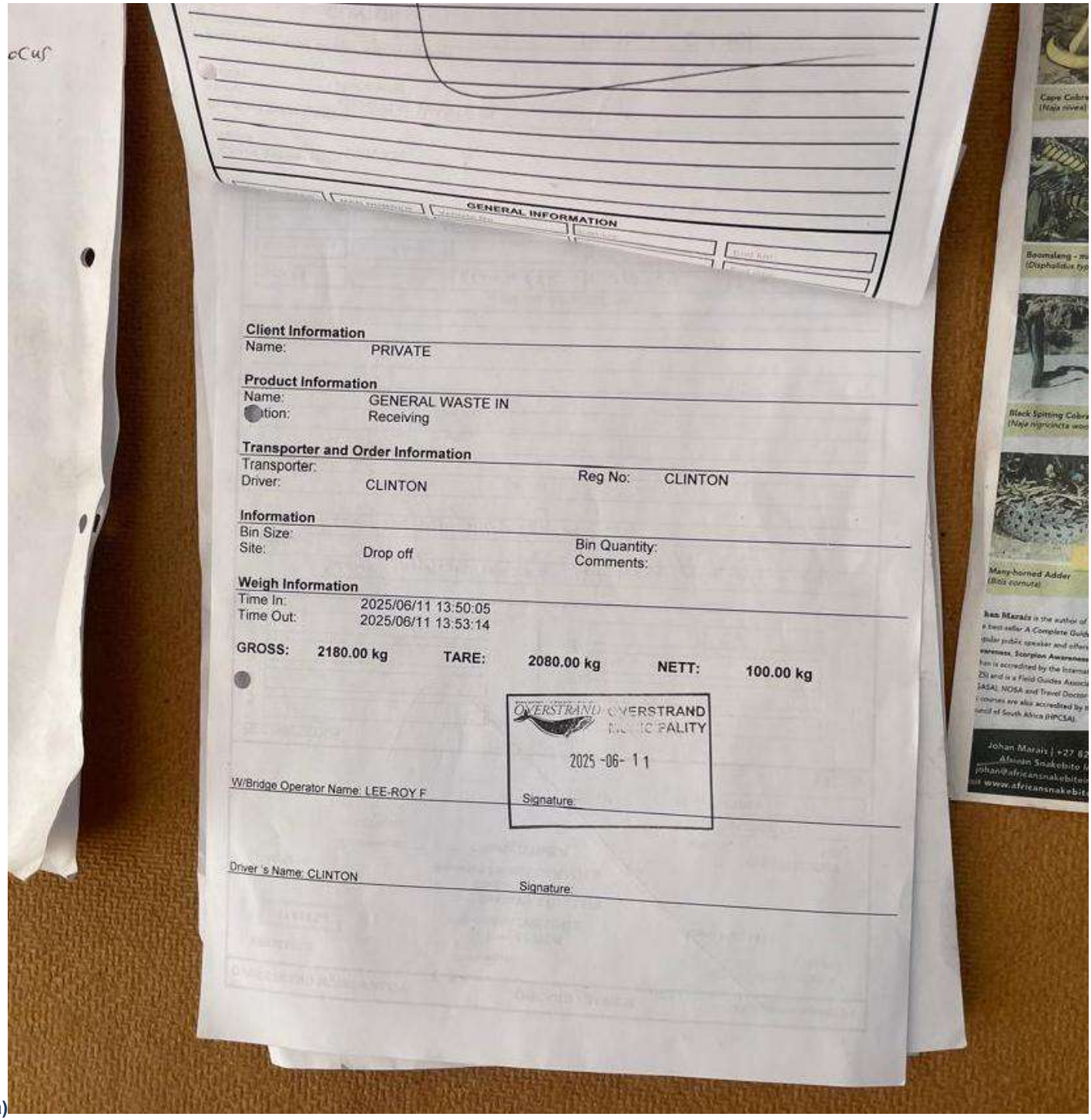
Insurance Excess of R3,000-00 payable on damages above R3, 00-00 on all plastic toilets/huts
Insurance Excess of R4,000-00 payable on damages above R4 000-00 on all Trailer Toilets
Customer liable for all damage or loss of toilets
Customer has to contact our office and receive an off hire num for all collections.
Customer charged for the hire of toilets and not the servicing the of..
Collection of toilets will be done within 2-3 working days after s ing of off-hire umber.
Toilets need to be placed 10m from the pavement in order for se icing to be done.

19-06-2025, 12:00 – Toilet service slip received for works completed in May.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented at T4/5. The toilet at HAV1 Repl. has been removed, as the Contractor is not currently working at that site. However, if the Contractor begins working at HAV1 Repl. more frequently and for extended periods (e.g., full days), a toilet will need to be reinstated.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	Yes	No	N/A	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	Yes	No	N/A	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. There is no contractor onsite at HAV1 Repl. and so a fire extinguisher or smoking area are not required.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented. All fire extinguishers are at the site camp at T4/5 and along the pipeline route.
The Contractor has submitted an EMS to the ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at the site camp at T4/5.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented at both sites.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	Correctly implemented at both sites.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container at T4/5 as the Contractor is not onsite. The Contractor was reminded to take the bins with them when working at HAV1 Repl.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips from the Civils Contractor are pinned to the board in the site office at T4/5.


GENERAL INFORMATION

Client Information
Name: PRIVATE

Product Information
Name: GENERAL WASTE IN
Receiving

Transporter and Order Information
Transporter:
Driver: CLINTON
Reg No: CLINTON

Information
Bin Size:
Site: Drop off
Bin Quantity:
Comments:

Weigh Information
Time In: 2025/06/11 13:50:05
Time Out: 2025/06/11 13:53:14

GROSS: 2180.00 kg TARE: 2080.00 kg NETT: 100.00 kg

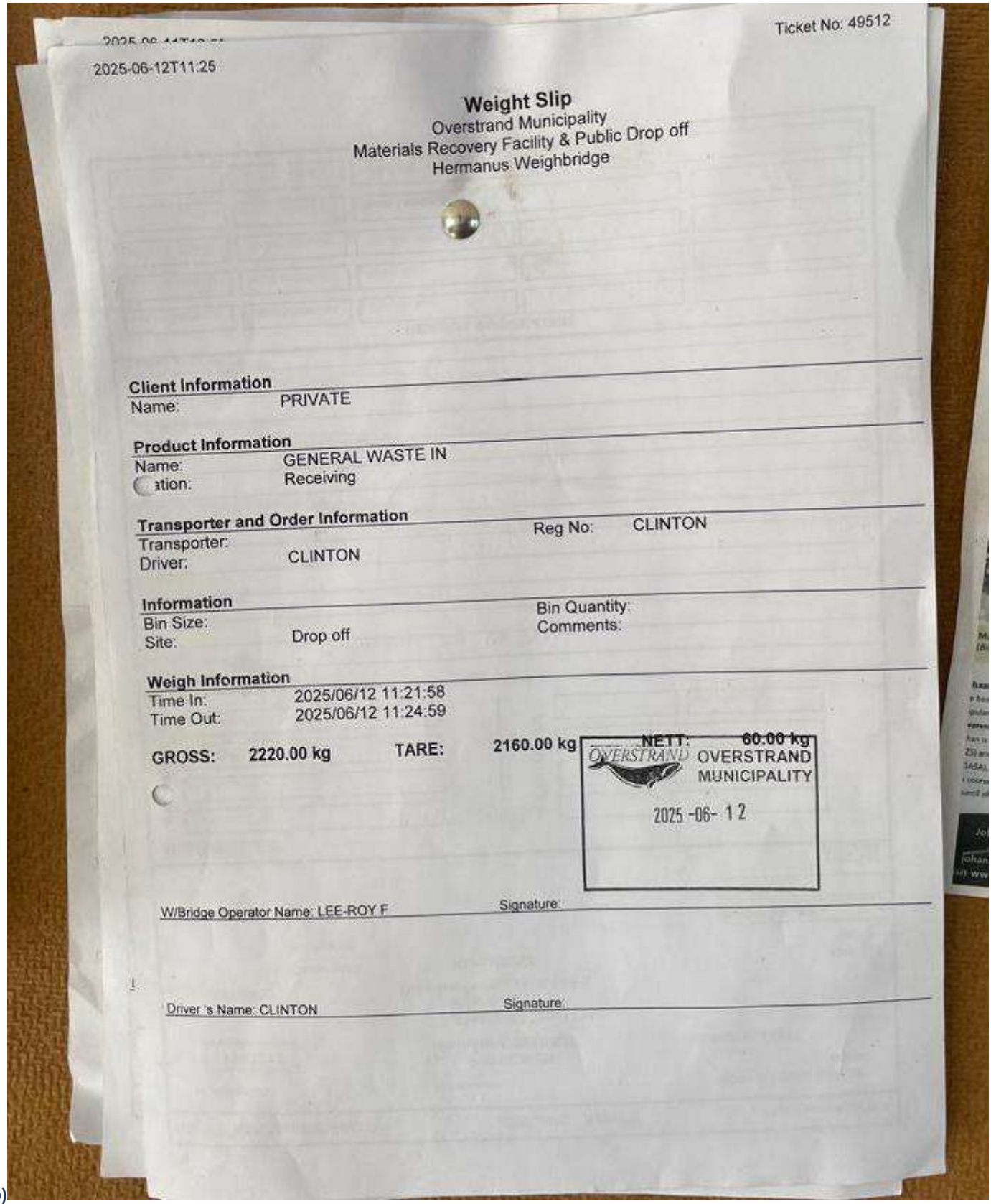
OVERSTRAND MUNICIPALITY
2025 -06- 11

W/Bridge Operator Name: LEE-ROY F
Signature:

Driver 's Name: CLINTON
Signature:

(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



Ticket No: 49512

2025-06-12T11:25

Weight Slip
Overstrand Municipality
Materials Recovery Facility & Public Drop off
Hermanus Weighbridge

Client Information
Name: PRIVATE

Product Information
Name: GENERAL WASTE IN
ation: Receiving

Transporter and Order Information
Transporter:
Driver: CLINTON
Reg No: CLINTON

Information
Bin Size:
Site: Drop off
Bin Quantity:
Comments:

Weigh Information
Time In: 2025/06/12 11:21:58
Time Out: 2025/06/12 11:24:59

GROSS: 2220.00 kg **TARE:** 2160.00 kg **NETT:** 60.00 kg

OVERSTRAND MUNICIPALITY
2025 -06- 12

W/Bridge Operator Name: LEE-ROY F Signature:

Driver 's Name: CLINTON Signature:

(b) 13-06-2025, 12:30 – Waste disposal slips are pinned to the board in the site office for waste disposed on the 11-06-2025 (a) and the 12-06-2025 (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Correctly implemented. No disposal of such has been completed yet.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage due to wet weather conditions.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. Subsoil stockpiles have not been covered with shade cloth but this is not an issue due to the current wet conditions, as well as being largely clay based and unlikely to blow away. Soil stockpiles are in the process of being returned as backfill material. Topsoil stockpiles are required to be covered with shade cloth. See “Topsoil Management” below.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	Yes	No	N/A	Not required at this stage due to wet weather conditions.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	Yes	No	N/A	As above.
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	Yes	No	N/A	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractor's team.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	Yes	No	N/A	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	Yes	No	N/A	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	Yes	No	N/A	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	Yes	No	N/A	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	Yes	No	N/A	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	Yes	No	N/A	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025. Not required at HAV1 Repl.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. Remaining vegetation is to be included in the topsoil stockpiles as per the request of the Specialist. Not required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Correctly implemented. Topsoil has been cleared along the entire length of the pipeline to avoid compaction from excavators and timeline delays. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as no topsoil will be cleared at HAV1 Repl.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	All topsoil along the pipeline route has been cleared.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	The Contractor has separated the topsoil from the subsoil and has demarcated the topsoil with orange and green netting. Some topsoil piles have been covered to prevent erosion, but not all of it. The Contractor was requested to cover the remaining topsoil with netting to ensure it is kept separate from the subsoil and prevent erosion of stockpiles. Note: this is outstanding since the 19-05-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (c) **13-06-2025, 12:30 – Some topsoil stockpiles have been correctly covered with netting (a) and (b), while some stockpiles are still waiting to be covered with shade cloth (c).**				
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	**Yes**	**No**	**N/A**	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation. The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation. This is outstanding since the 05-06-2025.
 (a)				

(b)



(c)



(d)



(e)



13-06-2025, 12:30 – Subsoil has been placed outside of the demarcated area on top of the adjacent vegetation (a) to (e).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	Some topsoil stockpiles have been covered with netting whilst some have not. The ECO has requested netting be placed over all topsoil stockpiles for demarcation and to prevent erosion. See photographs above. This has been outstanding since the 19-05-2025.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	Correctly implemented. Topsoil will be reinstated by the Rehabilitation Contractor once the pipeline has been completed.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	Erosion is occurring along the access road to HAV1 Repl. and will be addressed if and when necessary. See section “Access Routes/Haul Roads”. No erosion has occurred at T4/5.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO’s guidance.	Yes	No	N/A	Not required at this stage.
Earthworks Management				
Excavated trenches are demarcated and fenced off as “no-go” areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	Correctly implemented, the Contractor has reinstated the danger tape along the upslope boundary of the working area. See photographs in section “Site Division, Demarcation and “No-Go” Areas” above. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. does not have any earthworks underway.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	Correctly implemented. All trenches are inspected daily for fauna which may be trapped, none have been found to date. Note: the existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	Correctly implemented. Trenches are backfilled with original subsoil material.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Subsoil stockpiles have been placed outside of the demarcated area. See photographs in section “Topsoil Management” above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	Trenches are backfilled with original subsoil material.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	No rehabilitation has begun.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	Correctly implemented. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as HAV1 Repl. is still temporarily closed.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland and/or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	The majority of the trench remains open due to time constraints and the approaching rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS. While the subsoil is currently outside the demarcated area, the Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances. This is outstanding since the 05-06-2025.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	See above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses and/or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	Correctly implemented. One section of trench has a small amount of water in it which is being allowed to seep back into the ground.
 **13-06-2025, 12:30 – The first section of trench has a small amount of water in it, which will be allowed to seep into the ground.**				
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	No water is being removed from site as yet.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	No runoff pathways have been observed but erosion throughout the site, not just the stockpile areas, is being looked out for.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	Yes	No	N/A	The Contractor has been requested to put erosion and stormwater management measures in place as the wet season has started, and erosion will be monitored going forward.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	Yes	No	N/A	Stormwater is not currently an issue and does not need to be directed towards stabilised areas as yet. However, this will be addressed as and when this is needed.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	Yes	No	N/A	No increased runoff to date.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	Yes	No	N/A	No sites are temporarily closed.
Fire extinguishers are serviced and accessible.	Yes	No	N/A	As above.
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	As above.
All hazardous substance stores are securely locked.	Yes	No	N/A	As above.
Fencing and barriers are in place.	Yes	No	N/A	As above.
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	As above.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	As above.
Cement and materials stores are secured.	Yes	No	N/A	As above.
Toilets are empty, secured, and lockable.	Yes	No	N/A	As above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	As above.
Contaminated water conservancy tank empty.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 13-06-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	19-06-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	10:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Shuttering has been built for a concrete foundation for an electrical box to be installed. There were no Contractors onsite at the time of the inspection. T4/5: Pump installation is on hold due to a blockage down the borehole; and the trenching for pipeline installation is in progress. Cement works underway for the foundation of the electrical box to be installed. Trenching and backfilling is ongoing. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the excavator.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor has been requested to define an eating area onsite.
	Partial Compliance. The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor has been requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle’s entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025, the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor has been requested to immediately remove the oily drum from site and place it in the container at site camp.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	29-05-2025	The Contractor was requested to obtain a copy of this MSDS for the site file. The ECO tried finding this online but was unsuccessful.
HAV1 Repl.	Partial Compliance. A section of the barrier fence around the site has blown over.	19-05-2025	05-06-2025	The Contractor was requested to reinstate the barrier fence. Note: on the 29-05-2025 a section of the barrier fence has been removed. The Contractor was requested to reinstate the barrier fence.
	Partial Compliance. The toilet onsite is secured to the ground but not latched.	19-05-2025	29-05-2025	The Contractor was requested to ensure that the toilets onsite are always latched closed to prevent animals from entering.
T4/5	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil.	19-05-2025	29-05-2025	The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
	Partial Compliance. Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted.	19-05-2025	29-05-2025	The Contractor was instructed to remove the topsoil along the excavator route before excavation work continues.
	Topsoil stockpiles have not been covered with netting.	19-05-2025	Pending	The ECO has requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion. 05-06-2025: Majority of the topsoil stockpiles have been covered with shade cloth, but not all.
	Some sections of the barrier tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area.	29-05-2025	13-06-2025	The Contractor was requested to reinstate the danger tape.
	One generator onsite was correctly placed inside a drip tray, while the other was not. Additionally, the crane truck did not have any drip trays beneath it.	29-05-2025	05-06-2025	The Contractor was instructed to ensure that all generators are placed inside drip trays and not directly on the ground, and that all vehicles have appropriate drip trays positioned underneath them.
	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation.	05-06-2025	Pending	The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	The majority of the trench remains open due to time constraints and the approaching rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS.	05-06-2025	Pending	The Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances.
	The large excavator onsite is leaking oil from underneath onto a plastic sheet. This is a new leak and unrelated to the leak identified on 14-03-2025. No evidence of spills beneath the sheet are evident.	13-06-2025	Pending	The Contractor has been requested to repair the excavator or remove it from site. 19-06-202: A small amount of oil dripped outside of the plastic area onto the ground despite the excavator being repaired. The small spill was immediately picked up. The Contractor was requested to repair the excavator again.
	Partial Compliance. A small amount of cement spilled outside the shuttering.	13-06-2025	19-05-2025	The Contractor was requested to wait for the cement to dry and then pick it up and dispose of it as rubble.

Monitored Parameter	**Yes**	**No**	**N/A**	**Comments** (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.



(a)

(b)



(c)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(d) 19-06-2025, 10:30 – The foundation for an electrical box has been cast. A small trench has been dug for laying electrical cables at HAV1 Repl. (a). The Contractor was not onsite at the time of the inspection (b). An electrical box foundation has been cast at T4/5 (c). Trenching and laying of the pipeline is in progress at T4/5 (d).**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training has been given by the ECO to local labour and/or Subcontractors onsite on the 20-03-2025, 03-04-2025, 12-05-2025, 19-05-2025, and 29-05-2025.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	The road leading to HAV1 Repl. is slowly being damaged by erosion, which happens regularly in this area. As the site has been temporarily closed, this is not the fault of the Contractor but general, normal degradation. The Contractor will repair the road should it be deemed necessary for access. No damage to roads has been observed at T4/5.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented. Vehicles are not driving over vegetation outside of working areas.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the Contractor is not onsite.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	Correctly implemented. See section “Solid Waste Management, Litter and Refuse”.
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor’s register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. No materials are being stored at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel, cement, and Bricure are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	The excavator was repaired but is still dripping. A small spill was observed on the ground beneath the excavator. The small spill was immediately picked up. The Contractor was requested to repair the excavator again.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) **19-06-2025, 10:30 – The spill beneath the excavator was immediately picked up by the Contractor (a) and (b).**				
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	The contaminated material and dirty plastic were removed from site and placed into an old drum for disposal at a later date. The ECO is awaiting proof of disposal at a licenced facility. New plastic was placed beneath the excavator and the Contractor was requested to repair the excavator again.
 (a)				

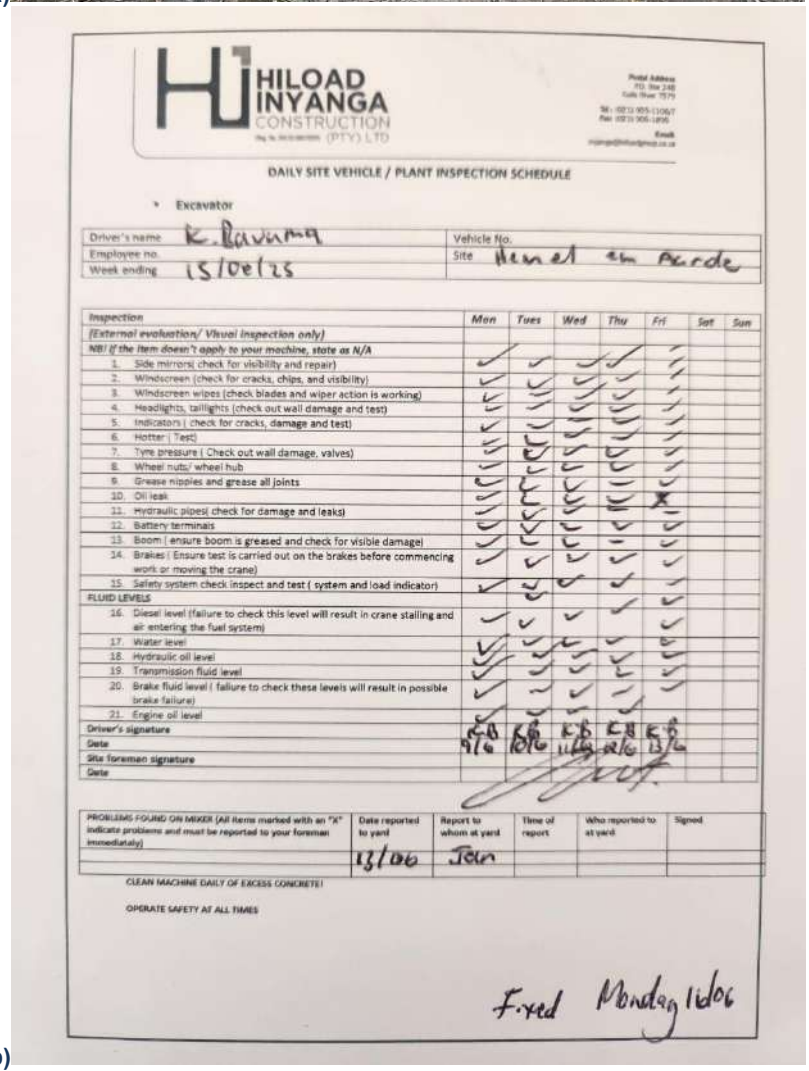
Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 19-06-2025, 10:30 – The contaminated material and dirty plastic have been placed in a secure drum in the site container (a) and new plastic was placed beneath the excavator (b).**				
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section “Handling, Use and Storage of Hazardous Substances” above. There is no machinery or equipment at HAV1 Repl.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	Correctly implemented.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	Correctly implemented. The Contractor does daily inspections on all machinery, however, the excavator leak was not detected by the Operator.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



HILOAD INYANGA CONSTRUCTION (PTY) LTD

DAILY SITE VEHICLE / PLANT INSPECTION SCHEDULE

Excavator

Driver's name: K. Ravhuma | Vehicle No.:
Employee no.: | Site: Hemet en Aarde
Week ending: 15/06/25

Inspection	Mon	Tues	Wed	Thu	Fri	Sat	Sun
(External evaluation/ Visual inspection only)							
NB! If the item doesn't apply to your machine, state as N/A							
1. Side mirrors(check for visibility and repair)	✓	✓	✓	✓	✓		
2. Windscreen (check for cracks, chips, and visibility)	✓	✓	✓	✓	✓		
3. Windscreen wipes (check blades and wiper action is working)	✓	✓	✓	✓	✓		
4. Headlights, taillights (check out wall damage and test)	✓	✓	✓	✓	✓		
5. Indicators (check for cracks, damage and test)	✓	✓	✓	✓	✓		
6. Hotter (Test)	✓	✓	✓	✓	✓		
7. Tyre pressure (Check out wall damage, valves)	✓	✓	✓	✓	✓		
8. Wheel nuts/ wheel hub	✓	✓	✓	✓	✓		
9. Grease nipples and grease all joints	✓	✓	✓	✓	✓		
10. Oil leak	✓	✓	✓	✓	X		
11. Hydraulic pipes(check for damage and leaks)	✓	✓	✓	✓	✓		
12. Battery terminals	✓	✓	✓	✓	✓		
13. Boom (ensure boom is greased and check for visible damage)	✓	✓	✓	✓	✓		
14. Brakes (Ensure test is carried out on the brakes before commencing work or moving the crane)	✓	✓	✓	✓	✓		
15. Safety system check inspect and test (system and load indicator)	✓	✓	✓	✓	✓		
FLUID LEVELS							
16. Diesel level (failure to check this level will result in crane stalling and air entering the fuel system)	✓	✓	✓	✓	✓		
17. Water level	✓	✓	✓	✓	✓		
18. Hydraulic oil level	✓	✓	✓	✓	✓		
19. Transmission fluid level	✓	✓	✓	✓	✓		
20. Brake fluid level (failure to check these levels will result in possible brake failure)	✓	✓	✓	✓	✓		
21. Engine oil level	✓	✓	✓	✓	✓		
Driver's signature	KR	KR	KR	KR	KR		
Date	9/6	10/6	11/6	12/6	13/6		
Site foremen signature							
Date							

PROBLEMS FOUND ON MIXER (All items marked with an "X" indicate problems and must be reported to your foreman immediately)	Date reported to yard	Report to whom at yard	Time of report	Who reported to at yard	Signed
	13/06	Jan			

CLEAN MACHINE DAILY OF EXCESS CONCRETE!

OPERATE SAFETY AT ALL TIMES

Fixed Monday 16/06

19-06-2025, 10:30 – Drip tray beneath the small generator onsite (a). Excavator inspection checklist for the large onsite excavator showing no leaks present (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented. Smoking occurs at the site camp at T4/5. There is no smoking at HAV1 Repl. as there are no Contractors onsite.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Correctly implemented. All machine operators have received Environmental Awareness Training by the ECO. See section “Environmental Awareness Training” above.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	The large excavator onsite was leaking oil onto a plastic sheet at T4/5, first identified on 13-06-2025. No evidence of spills beneath the sheet were evident and the Contractor was requested to repair the excavator or remove it from site, which was done on 16-06-2025. Unfortunately, the repair was unsuccessful, and the excavator was still dripping on the 19-06-2025. See section “Handling, Use and Storage of Hazardous Substances” above.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	The excavator cannot be removed from site to be repaired offsite as doing so could risk further oil spills. Further repairs will take place along the pipeline route which is not deemed a sensitive area. The Contractor was instructed to place plastic and drip trays beneath the excavator whilst completing the repairs.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented. See photograph in section "Hydrocarbon Management (Fuels, Oils and Lubricants)" above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See section "Cement and Concrete Batching" below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	Concrete work is complete for now.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	Correctly implemented. Cement bags are kept in the container at the site camp at T4/5.
 **19-06-2025, 10:30 – Cement bags are stored in the container at the site camp at T4/5.**				
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	Wastewater from tool washing is contained within a water drum onsite at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug at the site camp at T4/5. The Contractor is washing tools in a water drum. The Contractor was reminded that no washing of tools at HAV1 Repl. is allowed due to there being no sump onsite. Tools are to be cleaned in the tank at T4/5 only.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	Empty cement bags were placed in with general waste for disposal when required.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	No cement works are currently underway. The small amount of cement which had spilled outside the shuttering at T4/5 on 13-06-2025 has been cleaned up by the Contractor (no photograph was taken). No cement spills were observed at HAV1 Repl.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	Yes	No	N/A	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	Yes	No	N/A	Correctly implemented at T4/5. The toilet at HAV1 Repl. has been removed as the Contractor is not currently working onsite. However, if the Contractor begins working at HAV1 Repl. more frequently and for extended periods (e.g., full days), a toilet will need to be reinstated.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	Yes	No	N/A	As above.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	Yes	No	N/A	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented at T4/5. The toilet at HAV1 Repl. has been removed as the Contractor is not currently working onsite. However, if the Contractor begins working at HAV1 Repl. more frequently and for extended periods (e.g., full days), a toilet will need to be reinstated.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	Yes	No	N/A	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
Water is not abstracted from private property without the prior written approval of the Landowner.	Yes	No	N/A	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented. No fires have occurred at either site.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The Contractor is not currently onsite at HAV1 Repl. and so a fire extinguisher or smoking area are not required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented. All fire extinguishers are at the site camp at T4/5 and along the pipeline route.
The Contractor has submitted an EMS to the ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at the site camp at T4/5.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented at both sites.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	Correctly implemented at both sites.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container at T4/5 as the Contractor is not onsite. The Contractor was reminded to take the bins with them when working at HAV1 Repl.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No general waste is stored onsite. Waste bins are emptied when full.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips from the Civils Contractor are pinned to the board in the site office at T4/5.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	Yes	No	N/A	Correctly implemented. No disposal of such has been completed yet.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	Yes	No	N/A	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	Yes	No	N/A	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	Yes	No	N/A	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	Yes	No	N/A	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	Yes	No	N/A	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	Yes	No	N/A	No music or sound equipment present onsite at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage due to wet weather conditions.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. Subsoil stockpiles have not been covered with shade cloth but this is not an issue due to the current wet conditions, as well as being largely clay based and unlikely to blow away. Soil stockpiles are in the process of being returned as backfill material. Topsoil stockpiles are required to be covered with shade cloth. See section "Topsoil Management" below.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage due to wet weather conditions.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters ("dos and don'ts") have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental ("dos and don'ts") posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractor's team.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	Yes	No	N/A	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	Yes	No	N/A	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	Yes	No	N/A	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	Yes	No	N/A	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025. Not required at HAV1 Repl.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. Remaining vegetation is to be included in the topsoil stockpiles as per the request of the Specialist. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Correctly implemented. Topsoil has been cleared along the entire length of the pipeline to avoid compaction from excavators and timeline delays. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as no topsoil will be cleared at HAV1 Repl.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	All required topsoil along the pipeline route has been cleared.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	The Contractor has separated the topsoil from the subsoil and has demarcated the topsoil with orange and green netting. Some topsoil piles have been covered to prevent erosion, but not all of it. The Contractor was requested to cover the remaining topsoil with netting to ensure it is kept separate from the subsoil and prevent erosion of stockpiles. Note: this is outstanding since the 19-05-2025.

(a)



(b)



(c) 

(d) 

19-06-2025, 10:30 – Some topsoil stockpiles have been correctly covered with netting (a) and (b), while some stockpiles are still waiting to be covered with shade cloth (c).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation. The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation. This is outstanding since the 05-06-2025.

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (c) **19-06-2025, 10:30 – Subsoil has been placed outside of the demarcated area on top of the adjacent vegetation (a) to (c).**				
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	**Yes**	**No**	**N/A**	Some topsoil stockpiles have been covered with netting whilst some have not. The ECO has requested netting be placed over all topsoil stockpiles for demarcation and to prevent erosion. See photographs above. This has been outstanding since the 19-05-2025.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	**Yes**	**No**	**N/A**	Correctly implemented. Topsoil will be reinstated by the Rehabilitation Contractor once the pipeline has been completed.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	**Yes**	**No**	**N/A**	Erosion is occurring along the access road to HAV1 Repl. and will be addressed if and when necessary. See section “Access Routes/Haul Roads”. No erosion has occurred at T4/5.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	**Yes**	**No**	**N/A**	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO’s guidance.	**Yes**	**No**	**N/A**	Not required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	**Yes**	**No**	**N/A**	Correctly implemented. The Contractor has reinstated the danger tape along the upslope boundary of the working area at T4/5. The small trench at HAV1 Repl. has not been demarcated as a no-go area, however, the trench is not deep and is expected to be backfilled in a days' time. See photograph in section "General" above.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	**Yes**	**No**	**N/A**	Correctly implemented. All trenches are inspected daily for fauna which may be trapped, and none have been found to date. Note: the existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	**Yes**	**No**	**N/A**	Correctly implemented. Trenches are backfilled with original subsoil material.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	Subsoil stockpiles have been placed outside of the demarcated area at T4/5. See photographs in section "Topsoil Management" above. This is correctly implemented at HAV1 Repl.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	Trenches are backfilled with original subsoil material.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	No rehabilitation has begun.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	Correctly implemented.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	Trenching will not occur adjacent or next to a wetland and/or watercourse.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	The majority of the trench at T4/5 remains open due to time constraints and the onset of the rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS. While the subsoil is currently outside the demarcated area, the Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances. This is outstanding since the 05-06-2025.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	See above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses and/or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	Correctly implemented.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	Correctly implemented. One section of trench at T4/5 has a water in it which is being allowed to seep back into the ground, another section of trench is getting the water pumped out with a mechanical pump. The water is pumped downslope into a heavily vegetated area. No erosion has occurred; however, the Contractor was asked to monitor the discharge point and implement erosion mitigation should it become necessary.

(a)



(b)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(c) 19-05-2025, 10:30 – One trench section contains water seeping back into the ground (a), while another is being dewatered with a pump (b). No erosion has occurred at the discharge point thus far (c).**				
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	No runoff pathways have been observed but erosion throughout the site, not just the stockpile areas, is being looked out for.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	The Contractor has been requested to put erosion and stormwater management measures in place as the wet season has started, and erosion will be monitored going forward.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	Stormwater is not currently an issue and does not need to be directed towards stabilised areas as yet. However, this will be addressed as and when this is needed.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	No increased runoff to date.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	No sites are temporarily closed.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 19-06-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	26-06-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: An electrical box has been installed. T4/5: Pump installation is on hold due to a blockage down the borehole; and the trenching for pipeline installation is in progress. The electrical box has been installed. There were no Contractors onsite at the time of the inspection due to wet weather conditions. The Site Foreman accompanied the ECO for a site inspection to address any immediate issues. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues

Site / Area	Aspect	Date Identified	Date Corrected	Action Taken
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	03-04-2025	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	03-04-2025	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
				On the 27-03-2025 it was noted that a cloth was used to temporarily stop the dripping of oil from the excavator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	25-04-2025	The Contractor was requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor was requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	10-04-2025	The Contractor was requested to define an eating area onsite.
	Partial Compliance. The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	03-04-2025	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time they are working onsite.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	03-04-2025	The Contractor was requested to demarcate the working area using temporary fencing.
	Disposal of both general waste and brush-cut alien vegetation has been completed. The Contractor reported that no disposal slips were issued by the municipal facilities.	03-04-2024	08-04-2025	The ECO visited the municipal facility to enquire about proof of disposal for the alien vegetation. Staff explained that they do not typically provide official stamps or signatures. However, a logbook of incoming vehicle registration plates is maintained. The ECO has requested that, if permitted, the Contractor take a photo of the logbook showing their vehicle’s entry. The general waste facility does issue disposal slips when vehicles go over the weighbridge. If not, staff are usually willing to sign a slip provided by the Contractor. On 08-04-2025 the Contractor confirmed that they had attempted to obtain a disposal slip for the waste that had already been offloaded. However, the facility would not issue a slip retrospectively. Going forward, the Contractor has been instructed to use the weighbridge to ensure proper disposal documentation is provided.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
HAV1 Repl.	An oily fuel drum has been used for staff to store their lunch bags. It is unclear whether the oil was present beneath the bags during the inspection on 10-04-2025.	17-04-2025	24-04-2025	The Contractor was requested to immediately remove the oily drum from site and place it in the container at site camp.
	Partial Compliance. Two small cement spills have been observed at HAV1 Repl.	17-04-2025	22-04-2025	The Contractor was requested to pick these up and place them with the excess rubble that is stored on a plastic sheet adjacent to the pumphouse for disposal.
	A small amount of litter was seen around the site area.	29-04-2025	29-04-2025	The Contractor immediately cleaned up the litter.
Site Camp	Partial Compliance. The Contractor does not have a copy of the MSDS for Bricure (cement sealant) onsite.	08-05-2025	29-05-2025	The Contractor was requested to obtain a copy of this MSDS for the site file. The ECO tried finding this online but was unsuccessful.
HAV1 Repl.	Partial Compliance. A section of the barrier fence around the site has blown over.	19-05-2025	05-06-2025	The Contractor was requested to reinstate the barrier fence. Note: on the 29-05-2025 a section of the barrier fence has been removed. The Contractor was requested to reinstate the barrier fence.
	Partial Compliance. The toilet onsite is secured to the ground but not latched.	19-05-2025	29-05-2025	The Contractor was requested to ensure that the toilets onsite are always latched closed to prevent animals from entering.
T4/5	The Contractor has separated the topsoil from the subsoil but has not demarcated the topsoil.	19-05-2025	29-05-2025	The Contractor was requested to cover topsoil with netting to ensure it is kept separate from subsoil and not mistakenly used as such.
	Partial Compliance. Topsoil has not yet been cleared along the pipeline route in some areas where the excavators are operating. If not removed promptly, it is at risk of becoming compacted.	19-05-2025	29-05-2025	The Contractor was instructed to remove the topsoil along the excavator route before excavation work continues.
	Topsoil stockpiles have not been covered with netting.	19-05-2025	30-06-2025	The ECO requested netting be placed over topsoil stockpiles for demarcation and to prevent erosion. 05-06-2025: Majority of the topsoil stockpiles have been covered with shade cloth, but not all.
	Some sections of the barrier tape have been buried by subsoil stockpiles which have been placed outside of the demarcated area.	29-05-2025	13-06-2025	The Contractor was requested to reinstate the danger tape.
	One generator onsite was correctly placed inside a drip tray, while the other was not. Additionally, the crane truck did not have any drip trays beneath it.	29-05-2025	05-06-2025	The Contractor was instructed to ensure that all generators are placed inside drip trays and not directly on the ground, and that all vehicles have appropriate drip trays positioned underneath them.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation.	05-06-2025	Pending	The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation. Note: The Contractor is still awaiting specialist input.
	The majority of the trench remains open due to time constraints and the approaching rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS.	05-06-2025	Pending	The Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances.
	The large excavator onsite is leaking oil from underneath onto a plastic sheet. This is a new leak and unrelated to the leak identified on 14-03-2025. No evidence of spills beneath the sheet are evident.	13-06-2025	Pending	The Contractor was requested to repair the excavator or remove it from site. 19-06-202: A small amount of oil dripped outside of the plastic area onto the ground despite the excavator being repaired. The small spill was immediately picked up. The Contractor was requested to repair the excavator again. 26-06-202: A small amount of oil dripped onto the ground despite the excavator being repaired for a second time. There was no drip tray or plastic mitigation in place to protect the ground. The excavator was repaired but not cleaned, and it is suspected that the oil comes from excess oil left behind after the repair on top of the barrier plates beneath the excavator. The small spill was immediately picked up and the Contractor was requested to repair the excavator again and clean the bottom of the machine to determine the source of the leak.
	Partial Compliance. A small amount of cement spilled outside the shuttering.	13-06-2025	19-05-2025	The Contractor was requested to wait for the cement to dry and then pick it up and dispose of it as rubble.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)



(b)



(c)



(d)



26-06-2025, 09:30 – An electrical box has been installed and the trench laying electrical cables has been closed at HAV1 Repl. (a). The Contractor was not onsite at the time of the inspection (b). An electrical box has been installed at T4/5 (c). Trenching and laying of the pipeline is in progress at T4/5 (d).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	A copy of the EMS is available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training has been given by the ECO to local labour and/or Subcontractors onsite on the 20-03-2025, 03-04-2025, 12-05-2025, 19-05-2025, and 29-05-2025.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	Yes	No	N/A	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	Yes	No	N/A	Correctly implemented.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	Yes	No	N/A	Correctly implemented at both sites.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	Yes	No	N/A	Correctly implemented at both sites.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	Yes	No	N/A	Correctly implemented at both sites.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	Yes	No	N/A	Correctly implemented. No staff have been seen outside of the working area.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	The road leading to HAV1 Repl. is slowly being damaged by erosion, which happens regularly in this area. As the site has been temporarily closed, this is not the fault of the Contractor but general, normal degradation. The Contractor will repair the road should it be deemed necessary for access. No damage to roads has been observed at T4/5.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	**Yes**	**No**	**N/A**	Correctly implemented. Vehicles are not driving over vegetation outside of working areas.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	**Yes**	**No**	**N/A**	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp at T4/5. The eating area at HAV1 Repl. has been removed as the Contractor is not onsite.
The feeding of, or leaving of food for, animals is strictly prohibited.	**Yes**	**No**	**N/A**	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	**Yes**	**No**	**N/A**	Correctly implemented. See section "Solid Waste Management, Litter and Refuse".

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material has been stored in the containers and in a fenced off area next to the Contractors site camp. No materials are being stored at HAV1 Repl.
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	Correctly implemented.
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel, cement, and Bricure are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented at the site camp and T4/5. There are no hazardous substances at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	A small amount of oil dripped onto the ground despite the excavator being repaired for a second time. There was no drip tray or plastic mitigation in place to protect the ground. The excavator was repaired but not cleaned and it is suspected that the oil that spilled came from excess oil left behind after the repair, which collected on the barrier plates beneath the bottom of the excavator. The small spill was immediately picked up and the Contractor was requested to repair the excavator again and clean the bottom of the machine to determine the source of the leak.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) **26-06-2025, 09:30 – The spill (red circle) beneath the excavator was immediately picked up by the Contractor (a) and (b). Fortunately, it had not dripped into the water.**				
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	The contaminated material and dirty plastic were removed from site and placed into an old drum for disposal at a later date. The ECO is awaiting proof of disposal at a licenced facility. New plastic was placed beneath the excavator and the Contractor was requested to repair the excavator again.
 (a)				

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) **26-07-2025, 09:30 – The contaminated material has been placed in a secured drum in the site container (a) and a drip tray was placed beneath the excavator (b).**				
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented. All fuel is stored in the container at the site camp at T4/5. See photograph in section “Handling, Use and Storage of Hazardous Substances” above. There is no machinery or equipment at HAV1 Repl.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	There was no drip tray or plastic placed beneath the excavator onsite. See section “Handling, Use and Storage of Hazardous Substances” above.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	As above.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	**Yes**	**No**	**N/A**	Correctly implemented. See section “Handling, Use and Storage of Hazardous Substances” above.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	**Yes**	**No**	**N/A**	A spill kit is available at the site camp at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented. Smoking occurs at the site camp at T4/5. There is no smoking at HAV1 Repl. as there are no Contractors onsite.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See section “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Correctly implemented. All machine operators have received Environmental Awareness Training by the ECO. See section “Environmental Awareness Training” above.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	The large excavator onsite was leaking oil onto a plastic sheet at T4/5, first identified on 13-06-2025. No evidence of spills beneath the sheet were evident and the Contractor was requested to repair the excavator or remove it from site, which was done on 16-06-2025. The excavator was repaired but not cleaned. It is suspected that the oil that spilled on the 26-06-2025 came from excess oil left behind after the repair, which collected on the barrier plates beneath the bottom of the excavator. See section “Handling, Use and Storage of Hazardous Substances” above.
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	Yes	No	N/A	The excavator cannot be removed from site to be repaired offsite as doing so could risk further oil spills. Further repairs will take place along the pipeline route which is not deemed a sensitive area. The Contractor was instructed to place plastic and drip trays beneath the excavator whilst completing the repairs.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	Yes	No	N/A	Correctly implemented. See photograph in section ”Hydrocarbon Management (Fuels, Oils and Lubricants)” above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	Yes	No	N/A	Hazardous liquid waste is stored in a marked bottle on a drip tray in the storage container at the site camp at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Washing of equipment onsite is strictly prohibited.	Yes	No	N/A	No washing of equipment covered in hydrocarbons has occurred. Washing of cement covered tools has been allowed. See section "Cement and Concrete Batching" below.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	Concrete work is complete for now.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	Correctly implemented. Cement bags are kept in the container at the site camp at T4/5.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	Wastewater from tool washing is contained within a water drum onsite at T4/5.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	No sump has been dug at the site camp at T4/5. The Contractor is washing tools in a water drum. The Contractor was reminded that no washing of tools at HAV1 Repl. is allowed due to there being no sump onsite. Tools are to be cleaned in the tank at T4/5 only.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	Not required at this stage. Waste sediments are allowed to settle at the bottom of the drum and will be disposed of at a licenced facility when necessary.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	Not required at this stage.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	Empty cement bags were placed in with general waste for disposal when required.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	No cement works are currently underway. The small amount of cement which had spilled outside the shuttering at T4/5 on 13-06-2025 has been cleaned up by the Contractor (no photograph was taken). No cement spills were observed at HAV1 Repl.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	There is currently no excess rubble at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities at either site.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The toilet at HAV1 Repl. has been reinstated as the Contractor will be working onsite on occasion throughout the week.
 **26-07-2025, 09:30 – The toilet has been reinstated at HAV1 Repl. and has been latched and secured to the ground.**				
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented at both sites.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole. The water is transported to T4/5 in jerry cans.
 **26-07-2025, 09:30 – Water is taken from the old HAV1 borehole line at HAV1 Repl.**				
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and is used for the washing of cement covered tools when required, in lieu of a bidim-lined sump in the ground.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented. No fires have occurred at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred at either site.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at the site camp at T4/5. The Contractor is not currently onsite at HAV1 Repl. and so a fire extinguisher or smoking area are not required.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred at either site.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented. All fire extinguishers are at the site camp at T4/5 and along the pipeline route.
The Contractor has submitted an EMS to the ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented. There is a spill kit in the container at the site camp at T4/5.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	Yes	No	N/A	Correctly implemented at both sites.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	Yes	No	N/A	Correctly implemented at both sites.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	Correctly implemented. The Contractor has obtained lockable bins for both sites. They have been labelled “R” for recyclable waste and “G” for general waste. The bins for HAV1 Repl. are being stored in the site container at T4/5 as the Contractor is not onsite. The Contractor was reminded to take the bins with them when working at HAV1 Repl.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	No general waste is stored onsite. Waste bins are emptied when full.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	Correctly implemented.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor’s workshop for disposal, with disposal slips provided.	Yes	No	N/A	Correctly implemented.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	Correctly implemented. Waste disposal slips from the Civils Contractor are pinned to the board in the site office at T4/5.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	Yes	No	N/A	Correctly implemented. No disposal of such has been completed yet.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	Yes	No	N/A	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	Yes	No	N/A	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	Yes	No	N/A	No work will be occurring at night at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite at either site.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage due to wet weather conditions.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. Subsoil stockpiles have not been covered with shade cloth but this is not an issue due to the current wet conditions, as well as being largely clay based and unlikely to blow away. Soil stockpiles are in the process of being returned as backfill material. Topsoil stockpiles are required to be covered with shade cloth. See section “Topsoil Management” below.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage due to wet weather conditions.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental (“dos and don’ts”) posters and emergency numbers have been displayed at the site camp at T4/5. The ECO has a small white board pinned up in the site office which is updated weekly with items to be addressed by the Contractor. This is to aid in communication between the ECO and the Contractor’s team.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. Note: Beginning March 2025, during the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and 08-05-2025. Not required at HAV1 Repl.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. Remaining vegetation is to be included in the topsoil stockpiles as per the request of the Specialist. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	No further vegetation disposal has occurred.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Correctly implemented. Topsoil has been cleared along the entire length of the pipeline to avoid compaction from excavators and timeline delays. Note: All line items under this section are applicable to T4/5 only and not HAV1 Repl., as no topsoil will be cleared at HAV1 Repl.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	**Yes**	**No**	**N/A**	All required topsoil along the pipeline route has been cleared.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	All topsoil piles have been correctly overed with netting to prevent desiccation.

(a)



(b)



(c)



(d)



(e)



(f)



Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(g)



(h)



(i)



(j)



(k)



30-06-2025, 13:30 – All topsoil stockpiles have been correctly covered with netting (a) to (k).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	Subsoil stockpiles have been placed outside of the demarcated area on top of vegetation. The Contractor was requested to seek advice from the Rehabilitation Specialist on how to remove the soil without damaging the underlying vegetation. This is outstanding since the 05-06-2025.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	All topsoil stockpiles have been correctly overed with shade netting. Subsoil stockpiles have not been covered with shade cloth but this is not an issue due to the current wet conditions, as well as being largely clay based and unlikely to blow away.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	Correctly implemented. Topsoil will be reinstated by the Rehabilitation Contractor once the pipeline has been completed.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	Erosion is occurring along the access road to HAV1 Repl. and will be addressed if and when necessary. See section “Access Routes/Haul Roads”. No erosion has occurred at T4/5.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO’s guidance.	Yes	No	N/A	Not required at this stage.
Earthworks Management				
Excavated trenches are demarcated and fenced off as “no-go” areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	Yes	No	N/A	Correctly implemented. The Contractor has reinstated the danger tape along the upslope boundary of the working area at T4/5. The small trench at HAV1 Repl. has been backfilled. See photograph in section “General” above.
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	Correctly implemented. All trenches are inspected daily for fauna which may be trapped, and none have been found to date. Note: the existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	Correctly implemented. Trenches are backfilled with original subsoil material.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Subsoil stockpiles have been placed outside of the demarcated area at T4/5. See photographs in section "Topsoil Management" above. This is correctly implemented at HAV1 Repl.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	Trenches are backfilled with original subsoil material.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	No rehabilitation has begun.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	Correctly implemented.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	Trenching will not occur adjacent or next to a wetland and/or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	The majority of the trench at T4/5 remains open due to time constraints and the onset of the rainy season, which has made it difficult for the Contractor to complete trenching and backfilling in smaller sections as outlined in the EMS. While the subsoil is currently outside the demarcated area, the Contractor is making a consistent effort to comply with all other EMS conditions and continue work responsibly under the circumstances. This is outstanding since the 05-06-2025.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	See above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	The existing trench, adjacent to which the pipeline will be laid, is already existing on the property and will be reinstated to its current state following the installation of the pipeline at T4/5.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses and/or waterbodies have been contaminated or degraded. It is expected that stormwater (or rainwater runoff) will be heavily silted after flowing through the construction area, however, a Freshwater Specialist is monitoring downslope ecosystems for potential impacts.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	**Yes**	**No**	**N/A**	Correctly implemented.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	Correctly implemented. One section of trench at T4/5 has rainwater in it which is being allowed to seep back into the ground. The Contractor's trench runs adjacent to the existing farmers trench. The existing trench ends at a low point in the landscape with a culvert beneath the access road to allow stormwater to drain downslope. Should the Contractor's trench overflow, it will flow through the existing culvert into the downslope vegetation. Stormwater mitigation measures have been put in place by means of PVC piping to drain the water across the footpath.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) **30-06-2025, 09:30 – Section of pipeline trench filled with water (a) and the stormwater mitigation put in place (b).**				
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	There is currently one section of runoff which is flowing next to the footpath and into the trench. The flow of water is not impeding the construction at this point and there has been no erosion observed thus far. Construction runoff is being allowed to flow through the trench into a low point in the landscape with a culvert beneath the access road to drain downslope. See photographs above. The flow of water is not impeding construction at this point, but has delayed works.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	Yes	No	N/A	The Contractor has been requested to put erosion and stormwater management measures in place as the wet season has started, and erosion will be monitored going forward. See above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	Yes	No	N/A	Stormwater is not currently an issue and does not need to be directed towards stabilised areas as yet. However, this will be addressed as and when this is needed.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	Yes	No	N/A	No increased runoff to date.
Temporary Site Closure				
In the event of temporary site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	Yes	No	N/A	No sites are temporarily closed.
Fire extinguishers are serviced and accessible.	Yes	No	N/A	As above.
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	As above.
All hazardous substance stores are securely locked.	Yes	No	N/A	As above.
Fencing and barriers are in place.	Yes	No	N/A	As above.
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	As above.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	As above.
Cement and materials stores are secured.	Yes	No	N/A	As above.
Toilets are empty, secured, and lockable.	Yes	No	N/A	As above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	As above.
Contaminated water conservancy tank empty.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 26-06-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	14-03-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	11:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Work has not yet begun. The site area has been demarcated and marked out in preparation for works. T4/5: Site camp has been established. No work has begun and there are no staff onsite. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	Pending	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	Pending	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site.
	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	Pending	The Contractor was requested to display an environmental awareness poster.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.

(a)

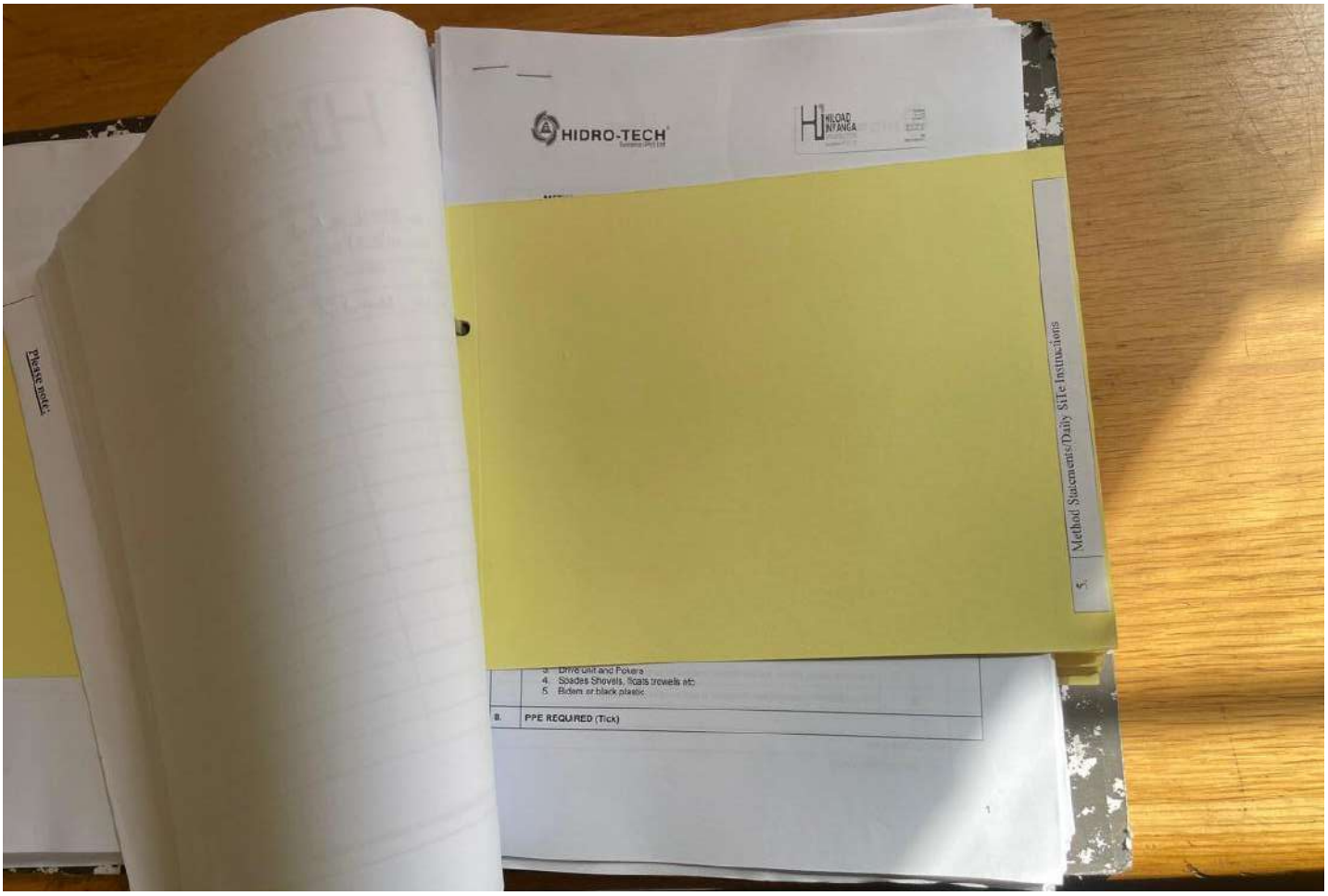


(b)



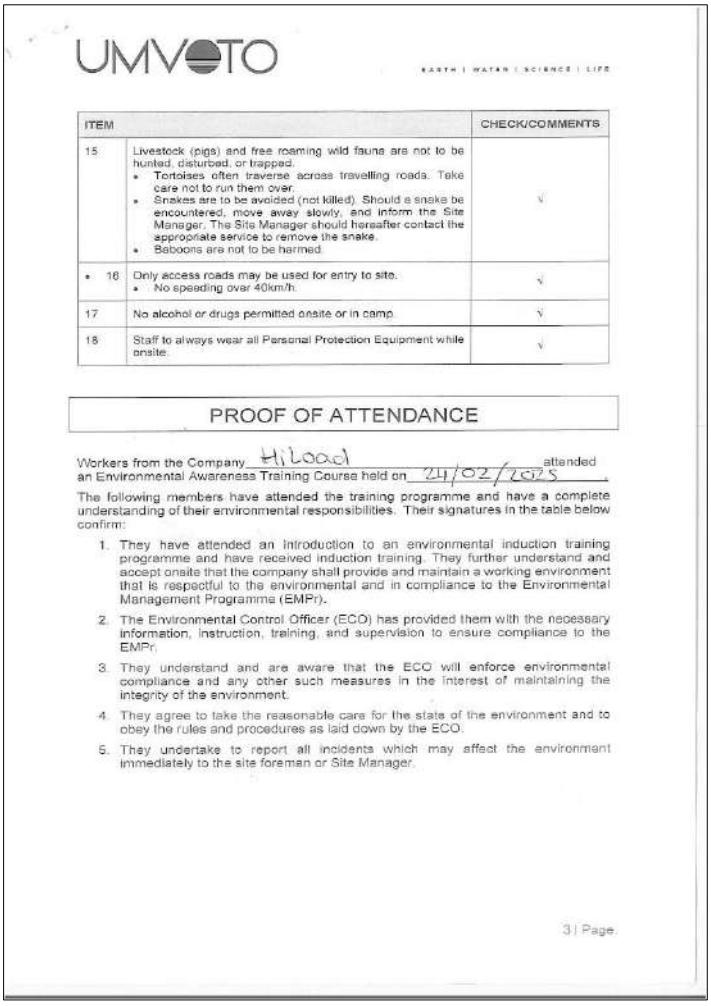
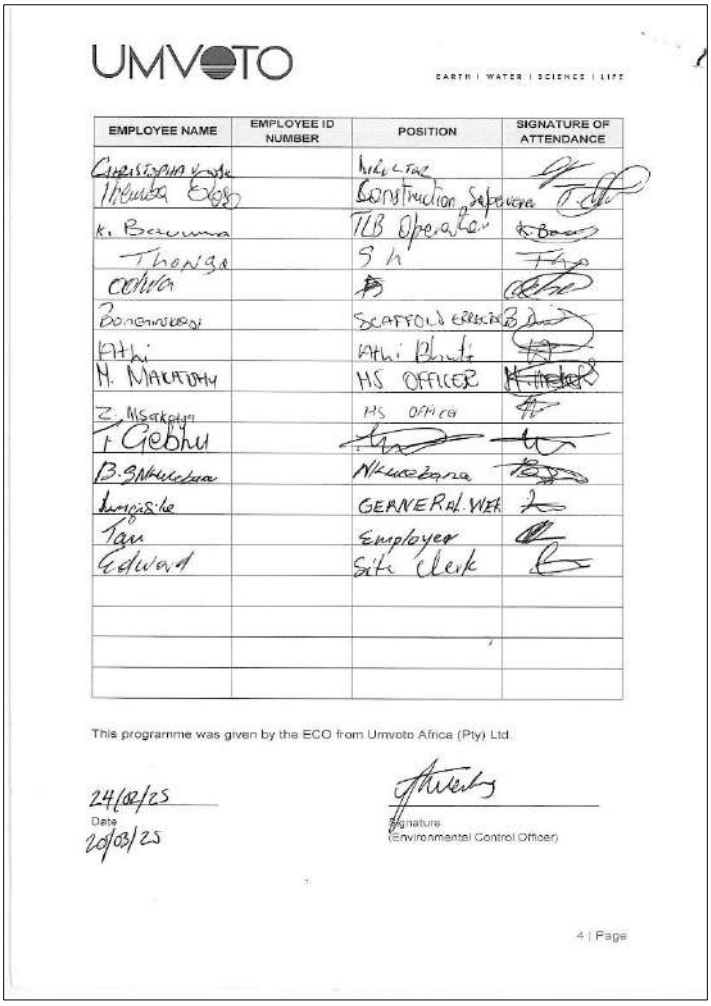
14-03-2025 – HAV1 Repl. (a) has been demarcated and the site camp at T4/5 (b) has been satisfactorily set up.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A copy of the EMS will always be available onsite in the site file.	Yes	No	N/A	All necessary documents are available in the site file.



14-03-2025 11:30 – All necessary Method Statements are available in the site file at the site camp.

Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	Yes	No	N/A	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
  **14-03-2025 – EATC register, given to all staff by the Site ECO on the 24-02-2025 and the 20-03-2025.**				
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. The site camp at T4/5 has been established and is fenced off. The pipeline route has not yet been demarcated as works are on hold. This will be completed once approval has been received for the Environmental Authorisation Amendment.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	Yes	No	N/A	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	Yes	No	N/A	Correctly implemented at the site camp. This is not yet required at HAV1 Repl. or T4/5 as work has not yet begun.
Where environmentally sensitive areas are specified as “no-go” areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	Yes	No	N/A	Correctly implemented.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	Yes	No	N/A	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	Yes	No	N/A	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	Yes	No	N/A	No road repairs have been required at this stage.
No new access roads or tracks have been constructed without the Landowner’s consent.	Yes	No	N/A	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	Yes	No	N/A	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Eating Areas				
The Contractor has designated eating areas within the approved camp.	**Yes**	No	N/A	Correctly implemented at the site camp at T4/5.
 **14-03-2025 11:30 – Staff have a fenced off area in front of the site camp office for breaks.**				
The feeding of, or leaving of food for, animals is strictly prohibited.	**Yes**	No	N/A	No food is left out for animals.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	**No**	N/A	See section “Solid Waste Management, Litter and Refuse”.
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor’s register has been kept on file.	**Yes**	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	**Yes**	No	N/A	Correctly implemented.

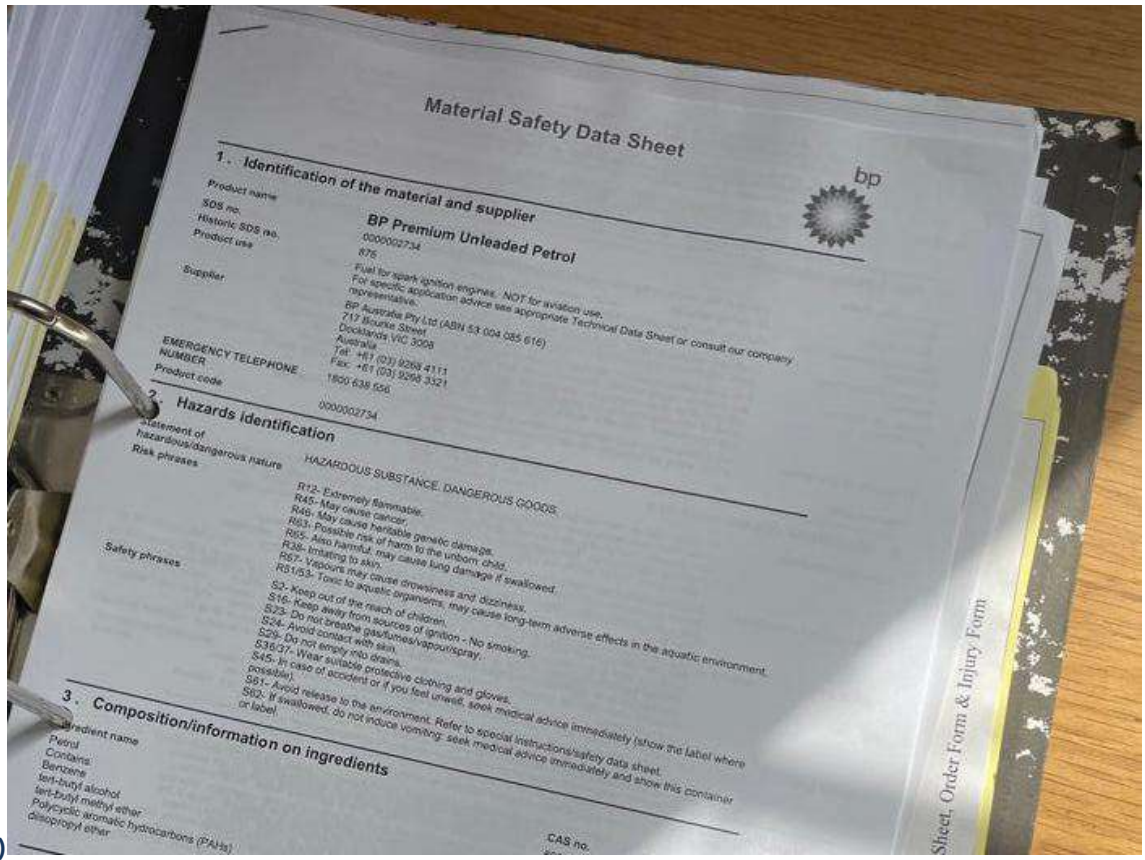
Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. No materials have been stored at HAV1 Repl.
 **14-03-2025 11:30 – Pipes have been stored in an existing trench opposite the site camp at T4/5.**				
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	The drip tray beneath the excavator onsite at T4/5 is broken and needs to be replaced. The Contractor was requested to obtain a new drip tray. There are currently no leaks beneath the broken drip tray no spills on the ground.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



14-03-2025 11:30 – Broken drip tray beneath the excavator onsite at T4/5.

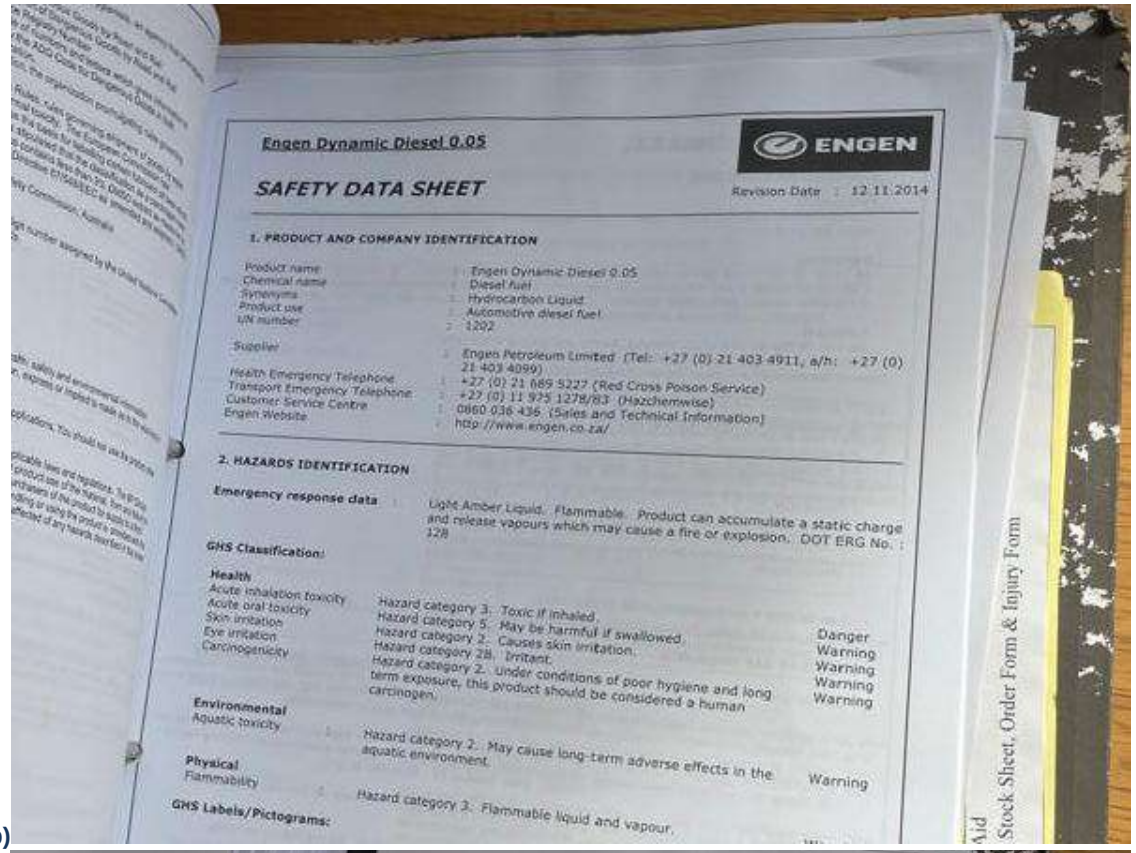
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	**Yes**	**No**	**N/A**	MSDSs for petrol, diesel and cement are available in the site file.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(b)



Engen Dynamic Diesel 0.05

ENGEN

SAFETY DATA SHEET

Revision Date : 12.11.2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	: Engen Dynamic Diesel 0.05
Chemical name	: Diesel fuel
Synonyms	: Hydrocarbon Liquid
Product use	: Automotive diesel fuel
UN number	: 1202
Supplier	: Engen Petroleum Limited (Tel: +27 (0) 21 403 4911, a/h: +27 (0) 21 403 4099)
Health Emergency Telephone	: +27 (0) 21 689 5227 (Red Cross Poison Service)
Transport Emergency Telephone	: +27 (0) 11 975 1278/83 (Hazchemwise)
Customer Service Centre	: 0860 036 436 (Sales and Technical Information)
Engen Website	: http://www.engen.co.za/

2. HAZARDS IDENTIFICATION

Emergency response data : Light Amber Liquid. Flammable. Product can accumulate a static charge and release vapours which may cause a fire or explosion. DOT ERG No.: 128

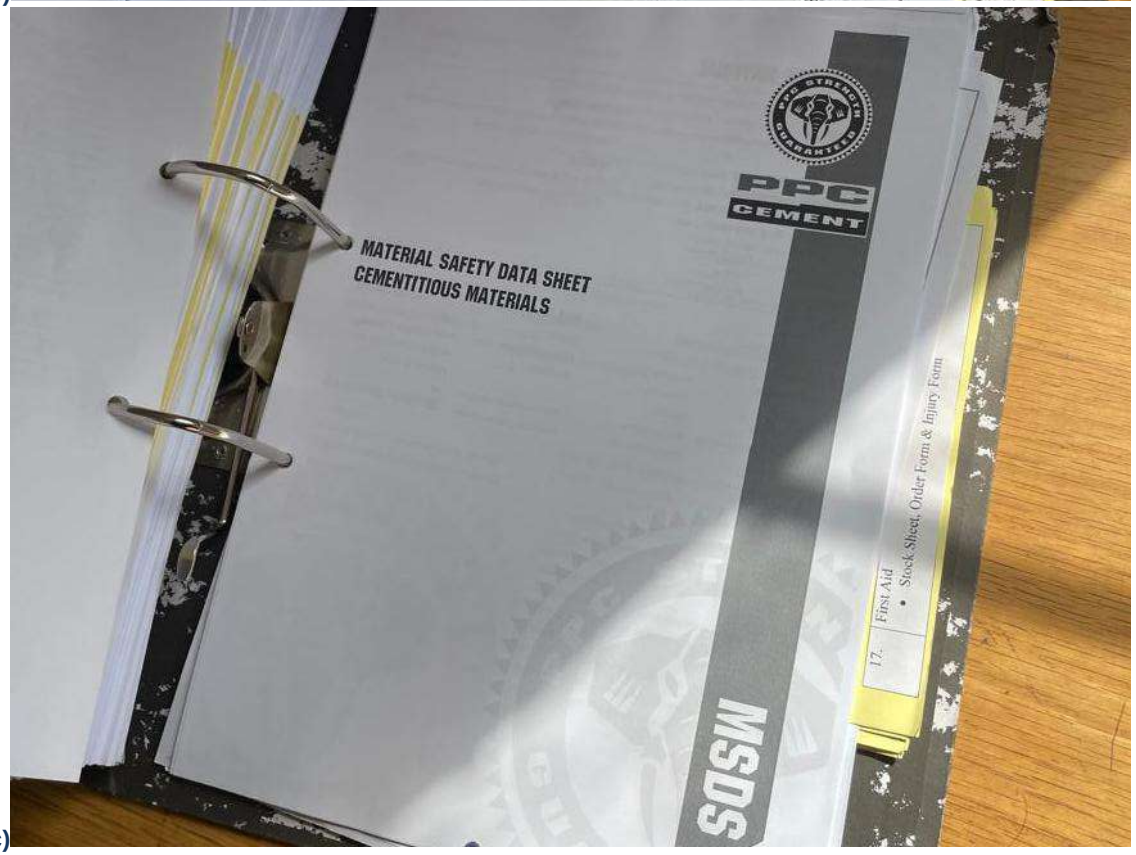
GHS Classification:

Health		
Acute inhalation toxicity	Hazard category 3. Toxic if inhaled.	Danger
Acute oral toxicity	Hazard category 5. May be harmful if swallowed.	Warning
Skin irritation	Hazard category 2. Causes skin irritation.	Warning
Eye irritation	Hazard category 2B. Irritant.	Warning
Carcinogenicity	Hazard category 2. Under conditions of poor hygiene and long term exposure, this product should be considered a human carcinogen.	Warning
Environmental		
Aquatic toxicity	Hazard category 2. May cause long-term adverse effects in the aquatic environment.	Warning
Physical		
Flammability	Hazard category 3. Flammable liquid and vapour.	

GHS Labels/Pictograms:

Aid Stock Sheet, Order Form & Injury Form

(c)



MATERIAL SAFETY DATA SHEET
CEMENTITIOUS MATERIALS

PPC CEMENT

MSDS

17. First Aid • Stock Sheet, Order Form & Injury Form

14-03-2025 11:30 – MSDSs for petrol (a), diesel (b) and cement (c) are available in the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	There are no hazardous substances being stored onsite.
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	Yes	No	N/A	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	Yes	No	N/A	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	Yes	No	N/A	There are no hydrocarbons being stored onsite or at the site camp.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	Yes	No	N/A	See above in “Handling, Use and Storage of Hazardous Substances”.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	As above.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	There is no diesel/fuel being stored onsite or at the site camp.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **14-03-2025 11:30 – There is a spill kit at the site camp.**				
No smoking is permitted near the fuel storage area.	**Yes**	**No**	**N/A**	There is no diesel/fuel being stored onsite or at the site camp.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	**Yes**	**No**	**N/A**	There is no diesel/fuel being stored onsite or at the site camp. However, there are fire extinguishers available at the site camp. See “Fire Control” below.
Fuel containers are secured during transport.	**Yes**	**No**	**N/A**	No fuel has been transported to the site camp yet.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	**Yes**	**No**	**N/A**	No refuelling has occurred yet.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	**Yes**	**No**	**N/A**	No concrete/cement has been required yet.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	**Yes**	**No**	**N/A**	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	As above.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	As above.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	As above.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	As above.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	As above.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	As above.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further. Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **14-03-2025 11:30 – The excavator is currently dripping onto itself.**				
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	See above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	No oil has been collected at this stage.
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing has occurred.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. There is no work being undertaken at HAV1 Repl.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Correctly implemented.

(a)



(b)



14-03-2025 11:30 – The toilet at T4/5 is both lockable from the outside (a) and secured to the ground (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	**Yes**	**No**	**N/A**	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	**Yes**	**No**	**N/A**	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	**Yes**	**No**	**N/A**	No water for construction has been required at this stage.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	As above.
Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	As above.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	As above.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	As above.
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	As above.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	**Yes**	**No**	**N/A**	The Contractor has not designated a smoking area yet. There are currently no staff onsite. The ECO suggested a suitable location during the inspection. The Contractor will obtain an ashtray for the smoking area at the site camp.
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented. There are currently 4 fully serviced fire extinguishers at the site camp, all with the expiry date 03/2026.
 **14-03-2025 11:30 – Valid fire extinguishers at the site camp at T4/5.**				
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	Yes	No	N/A	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	**Yes**	**No**	**N/A**	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	**Yes**	**No**	**N/A**	No waste has been buried or dumped.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	**Yes**	**No**	**N/A**	There are no bins onsite. The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	**Yes**	**No**	**N/A**	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	**Yes**	**No**	**N/A**	As above.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	**Yes**	**No**	**N/A**	There has been no construction waste thus far.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	**Yes**	**No**	**N/A**	No waste disposal has occurred yet. The disposal slips will be retained by the Contractor and shared with the ECO when work begins.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	**Yes**	**No**	**N/A**	Not required at this stage.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	**Yes**	**No**	**N/A**	As above.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	**Yes**	**No**	**N/A**	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	**Yes**	**No**	**N/A**	No work will be occurring at night at either site.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	**Yes**	**No**	**N/A**	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	**Yes**	**No**	**N/A**	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles yet.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	There are no environmental (“dos and don’ts”) posters on display at the site camp. The Contractor was requested to display one.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality’s Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor’s office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Vegetation clearance has been correctly implemented as per the EMPr. During woody alien vegetation clearing at T4/5 for the power cable installation, the Contractor brush cut all woody vegetation instead of only alien vegetation. Fortunately, the stumps were not treated with the correct herbicide, and all vegetation will grow back. Once new growth is visible, and the stumps can be identified the alien vegetation stumps will be recut and treated with herbicide. The indigenous vegetation will be left to grow back.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



14-03-2025 11:30 – Vegetation clearance for the power cable installation at T4/5 as allowed in the EMPr (a). Both woody alien and indigenous vegetation were treated with a sealant rather than a herbicide, and all vegetation will grow back (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	Yes	No	N/A	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and a Rehabilitation Progress Report provided.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	Yes	No	N/A	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	See section “Protection of Flora and Fauna” above.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	Disposal of the vegetation clearance for the power cable at T4/5 is yet to be completed.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	Yes	No	N/A	Topsoil has not been cleared yet.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	Yes	No	N/A	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	Yes	No	N/A	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	Yes	No	N/A	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Earthworks Management				
Excavated trenches are demarcated and fenced off as “no-go” areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown. Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	**Yes**	**No**	**N/A**	No earthworks have begun.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	**Yes**	**No**	**N/A**	As above.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	**Yes**	**No**	**N/A**	As above.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	**Yes**	**No**	**N/A**	As above.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	**Yes**	**No**	**N/A**	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	No trenching has begun.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	No trenching will occur next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	**Yes**	**No**	**N/A**	No trenching has begun.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	Yes	No	N/A	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	Yes	No	N/A	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	Yes	No	N/A	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	Yes	No	N/A	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	Yes	No	N/A	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	Yes	No	N/A	As above.
Clean water and dirty water systems are managed independently and be kept separately.	Yes	No	N/A	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



_____ Date: __14-03-2025___

(Environmental Control Officer: Melissa Weeks)

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	20-03-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	08:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Work has not yet begun. The site area has been demarcated and marked out in preparation for works. T4/5: Site camp has been established. No work has begun and there are no staff onsite. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues

Site / Area	Aspect	Date Identified	Date Corrected	Action Taken
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	Pending	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	Pending	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site.On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
T4/5	There are no environmental (“dos and don’ts”) posters/signs on display at the site camp.	14-03-2025	Pending	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	Pending	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	Pending	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	Pending	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	Pending	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time there they are working.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 (b) **20-03-2025 08:30 – Excavations for pumphouse foundations at HAV1 Repl. (a) and T4/5 (b) has begun. Both sites are neat and satisfactorily set up.**				
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	**Yes**	**No**	**N/A**	Correctly implemented. The ECO has sent the Contractor a copy of the EATC for their records and requested it be added into the site file.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are on hold. This will be completed once approval has been received for the Environmental Authorisation Amendment.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	**Yes**	**No**	**N/A**	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	**Yes**	**No**	**N/A**	Correctly implemented at the site camp. HAV1 Repl. has been demarcated with danger tape.
Where environmentally sensitive areas are specified as "no-go" areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No road repairs have been required at this stage. It is noted that the access road to HAV1 Repl. is in poor condition and only accessible by 4x4 vehicle.
No new access roads or tracks have been constructed without the Landowner's consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	Yes	No	N/A	Correctly implemented.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	Yes	No	N/A	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	Yes	No	N/A	Partial Compliance. This is correctly implemented at the site camp at T4/5. However, there is no defined eating area for staff at HAV1 Repl. The Contractor has been requested to define an eating area at HAV1 Repl.
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals. Baboons are known to be in the HAV1 Repl. area and staff at HAV1 Repl. do not have an eating area/place to store bags away from baboons. The ECO has requested that staff bags are placed in a storage container to prevent attracting baboons to the area.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	See section “Solid Waste Management, Litter and Refuse”.
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor’s register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. No materials have been stored at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	One of the drip trays beneath the excavator onsite at T4/5 is broken and needs to be replaced. The Contractor was requested to obtain a new drip tray. This has been outstanding since 14-03-2025.
 **20-03-2025 08:30 – Broken drip tray beneath the excavator onsite at T4/5.**				
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel and cement are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented. There are no hazardous substances at HAV1 Repl. Diesel and cement are stored in the container at site camp. The Contractor was in the process of organising the container at the time of the inspection.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **20-03-2025 08:30 – Diesel and cement are stored in the container at the site camp. Note the drip tray in the left of the image, which the contractor will use beneath the fuel containers.**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	See above in “Handling, Use and Storage of Hazardous Substances”.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	Yes	No	N/A	As above.
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	No concrete/cement has been required yet.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	As above.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	As above.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	As above.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	As above.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	As above.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	As above.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	The excavator arm is dripping oil onto itself. A drip tray has since been placed on the ground beneath. A small amount of oil is collecting in the bottom of the drip tray, no spills have occurred. The Contractor was requested to repair or remove the excavator from site. This is still outstanding from the 14-03-2025.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **20-03-2025 08:30 – The excavator is currently dripping onto itself with a drip tray beneath.**				
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	See above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	No oil has been collected at this stage. The ECO requested that hydrocarbons and rainwater from drip trays are stored in an appropriate container until they can be disposed of as hazardous waste.
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing has occurred.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	**Yes**	**No**	**N/A**	Partial compliance at HAV1 Repl.: the toilet is latched from the outside to prevent animals entering but is not secured to prevent toppling. The Contractor was requested to secure the toilet to the ground. Correctly implemented at T4/5.
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	**Yes**	**No**	**N/A**	Correctly implemented.



20-03-2025 08:30 – The toilet at HAV1 Repl. is not secured to prevent toppling but is locked from the outside.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	No water for construction has been required at this stage.
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	Yes	No	N/A	As above.
Water is not abstracted from private property without the prior written approval of the Landowner.	Yes	No	N/A	As above.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	Yes	No	N/A	As above.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	Yes	No	N/A	As above.
The Contractor ensures that the re-use of construction water is maximised.	Yes	No	N/A	As above.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	Yes	No	N/A	Correctly implemented, no fires have occurred.
Any fires which occur are reported to the ECO immediately.	Yes	No	N/A	No fires have occurred.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	Yes	No	N/A	Correctly implemented at T4/5. There is an ash tray in the staff rest area at the site camp. There is no smoking area defined at HAV1 Repl. The Contractor has been requested to set up a smoking area with a nearby fire extinguisher at both sites.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **20-03-2025 08:30 – The smoking area at T4/5 has been setup and is demarcated by an ashtray.**				
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	**Yes**	**No**	**N/A**	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	**Yes**	**No**	**N/A**	No fires have occurred.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	**Yes**	**No**	**N/A**	Correctly implemented at T4/5. There are currently 4 fire extinguishers at the site camp, all with the expiry date 03/2026. There were no fire extinguishers onsite at HAV1 Repl. The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time there they are working at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **20-03-2025 08:30 – Valid fire extinguishers at the site camp at T4/5.**				
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	**Yes**	**No**	**N/A**	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	**Yes**	**No**	**N/A**	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	**Yes**	**No**	**N/A**	Correctly implemented.
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	**Yes**	**No**	**N/A**	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	**Yes**	**No**	**N/A**	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	**Yes**	**No**	**N/A**	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	**Yes**	**No**	**N/A**	No waste has been buried or dumped.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	Yes	No	N/A	There are no bins onsite. The Contractor has been requested to obtain bins for general, hazardous and recycling waste.
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	As above.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	There has been no construction waste thus far.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	No waste disposal has occurred yet. The disposal slips will be retained by the Contractor and shared with the ECO when work begins.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	Yes	No	N/A	Not required at this stage.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	Yes	No	N/A	As above.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	Yes	No	N/A	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	Yes	No	N/A	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	Yes	No	N/A	Not required at this stage. Will be implemented if required.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Employees are provided with adequate PPE with respect to ear protection.	Yes	No	N/A	As above.
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	Yes	No	N/A	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	Yes	No	N/A	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	Yes	No	N/A	There are no stockpiles yet.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	Yes	No	N/A	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	Yes	No	N/A	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	Yes	No	N/A	There are no environmental (“dos and don’ts”) posters on display at the site camp. The Contractor was requested to display one.
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	Yes	No	N/A	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality’s Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor’s office and near the onsite telephone, and are retained in the Site file.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. During the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and a Rehabilitation Progress Report provided.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	**Yes**	**No**	**N/A**	No hunting has occurred.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	**Yes**	**No**	**N/A**	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	**Yes**	**No**	**N/A**	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	**Yes**	**No**	**N/A**	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	**Yes**	**No**	**N/A**	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	**Yes**	**No**	**N/A**	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	**Yes**	**No**	**N/A**	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	**Yes**	**No**	**N/A**	Disposal of the vegetation clearance for the power cable installation at T4/5 is yet to be completed.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **20-03-2025 08:30 – Brush cut material is still to be removed from site at T4/5 following alien clearance activities.**				
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	**Yes**	**No**	**N/A**	Correctly implemented.
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	**Yes**	**No**	**N/A**	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	Yes	No	N/A	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	Yes	No	N/A	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	Yes	No	N/A	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	Yes	No	N/A	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	Yes	No	N/A	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown. Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	Shallow excavations for pump house foundations have been dug at both sites. Fencing for excavations will be required by the next inspection as some setup is still underway.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No excavations have been closed.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Correctly implemented.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	**Yes**	**No**	**N/A**	No trenching has begun.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	**Yes**	**No**	**N/A**	No trenching will occur next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	**Yes**	**No**	**N/A**	No trenching has begun.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	**Yes**	**No**	**N/A**	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	**Yes**	**No**	**N/A**	As above.
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	**Yes**	**No**	**N/A**	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	**Yes**	**No**	**N/A**	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	As above.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	**Yes**	**No**	**N/A**	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	**Yes**	**No**	**N/A**	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	**Yes**	**No**	**N/A**	As above.
There is adequate ventilation in enclosed spaces.	**Yes**	**No**	**N/A**	As above.
All hazardous substance stores are securely locked.	**Yes**	**No**	**N/A**	As above.
Fencing and barriers are in place.	**Yes**	**No**	**N/A**	As above.
Emergency and management contact details are prominently displayed and available.	**Yes**	**No**	**N/A**	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	**Yes**	**No**	**N/A**	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
There are sufficient detention ponds or channels in place.	**Yes**	**No**	**N/A**	As above.
Cement and materials stores are secured.	**Yes**	**No**	**N/A**	As above.
Toilets are empty, secured, and lockable.	**Yes**	**No**	**N/A**	As above.
Central waste area and all refuse bins are empty and secured.	**Yes**	**No**	**N/A**	As above.
Contaminated water conservancy tank empty.	**Yes**	**No**	**N/A**	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	**Yes**	**No**	**N/A**	As above.
Drip trays are empty and secure.	**Yes**	**No**	**N/A**	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	**Yes**	**No**	**N/A**	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	**Yes**	**No**	**N/A**	Work is ongoing. Not required at this stage.
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 20-03-2025

ENVIRONMENTAL SITE INSPECTION

Revision 1

Project and Site Information			
Date	27-03-2025	**Site Location**	HAV1 Repl.: -34.398490°; 19.209445° T4/5: -34.375420°; 19.246203°
Time	09:30	**Site Owner**	HAV1 Repl.: Overstrand Municipality T4/5: Bouchard Finlayson Winery
Project Title	972 – Hemel en Aarde Expansion	**Inspected By**	ECO Melissa Weeks
Contract	SC2504_2024 Civil, Mechanical & Electrical	**Stage / Status during Inspection**	HAV1 Repl.: Preparation is underway for foundation casting. Work is progressing slowly. T4/5: Site camp has been established. Preparation is underway for foundation casting. Note: The site camp at T4/5 will serve for both it and HAV1 Repl.
Corresponding Method Statement	Environmental Method Statement: Supply and Install Mechanical, Electrical and Civil Borehole Hermanus	**Environmental Method Statement Date**	17-02-2025

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	The drip tray beneath the excavator onsite is broken and needs to be replaced.	14-03-2025	Pending	The Contractor was requested to obtain a new drip tray.
	The excavator arm is leaking oil, which is currently dripping onto the excavator itself rather than the ground. However, the ground beneath is not protected by a drip tray, creating a risk of contamination if the oil starts to drip further.	14-03-2025	Pending	Although no oil has spilled onto the ground yet, the Contractor was instructed to place a drip tray beneath the arm as a precaution and to either repair the leak or remove the excavator from the site. On the 20-03-2025 it was noted by the ECO that a drip tray has been placed below the dripping arm of the excavator. On the 27-03-2025 is it was noted that a cloth has been used to temporarily stop the dripping of oil from the generator.
HAV1 Repl. & T4/5	There are no bins onsite.	14-03-2025	Pending	The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

Summary of Non-Compliance Issues				
Site / Area	**Aspect**	**Date Identified**	**Date Corrected**	**Action Taken**
T4/5	There are no environmental ("dos and don'ts") posters/signs on display at the site camp.	14-03-2025	27-03-2025	The Contractor was requested to display an environmental awareness poster.
HAV1 Repl.	There is no smoking area defined onsite.	20-03-2025	27-03-2025	The Contractor has been requested to set up a smoking area with a nearby fire extinguisher.
	Partial Compliance. There is no defined eating area for staff onsite.	20-03-2025	Pending	The Contractor has been requested to define an eating area onsite.
	Partial compliance: The toilet is latched from the outside to prevent animals from entering but is not secured to prevent toppling.	20-03-2025	Pending	The Contractor was requested to secure the toilet to the ground.
	There were no fire extinguishers onsite.	20-03-2025	27-03-2025	The Contractor was requested to take a fire extinguisher from the site camp to HAV1 Repl. every time there they are working.
HAV1 Repl. & T4/5	The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been.	27-03-2025	Pending	The Contractor has been requested to demarcate the working area using temporary fencing.

Monitored Parameter	**Yes**	**No**	**N/A**	**Comments** (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
General				
Is the overall appearance of the site visually acceptable and tidy?	**Yes**	**No**	**N/A**	Correctly implemented at HAV1 Repl. and T4/5.
A copy of the EMS will always be available onsite in the site file.	**Yes**	**No**	**N/A**	All necessary documents are available in the site file.
Environmental Awareness Training				
The Contractor ensures that all employees, and those of their Sub-Contractor, attend an Environmental Awareness Training Course (EATC), conducted by the ECO. The training will cover key environmental features of the working area, its surroundings, and the environmental controls outlined in this specification.	**Yes**	**No**	**N/A**	An EATC was given to staff on the 24-02-2025 at the Contractors offices. Further training was given to the local labour onsite on the 20-03-2025.
The initial EATC shall be held within 28 days from the Commencement Date, and subsequent courses shall be arranged for new employees coming onto Site after the initial training course. Provision shall also be made for refresher courses to be undertaken on a quarterly basis during the Contract.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The Contractor provides proof of attendance by all their employees in the form of a signed attendance register for each session. All environmental training registers are kept on file.	Yes	No	N/A	Correctly implemented. The ECO has sent the Contractor a copy of the EATC for their records and requested it be added into the site file.
Site Division, Demarcation and "No-Go" Areas				
The location, layout and establishment of the Contractors camp shall be approved by the ECO prior to the start of establishment.	Yes	No	N/A	Correctly implemented at both sites. The pipeline route has not yet been demarcated as works are on hold. This will be completed once approval has been received for the Environmental Authorisation Amendment.
The Contractor restricts all their activities, materials, plant equipment and personnel to within the Site or any working areas specified or indicated on the drawings.	Yes	No	N/A	Correctly implemented.
Permanent and/or temporary fences have been erected and maintained in the locations specified in the Scope of Work or drawings, and, if specified, before the commencement of any construction activities.	Yes	No	N/A	Correctly implemented at the site camp. The working area at HAV1 Repl. has been demarcated with danger tape, but T4/5 has not been. The Contractor has been requested to demarcate the working area using temporary fencing.



27-03-2025 09:30 – The area at HAV1 Repl. is demarcated with danger tape. Regrettably, no image taken at T4/5.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Where environmentally sensitive areas are specified as “no-go” areas, no person, plant, equipment, or material shall enter these areas at any time, in accordance with the Contractor's authority.	**Yes**	**No**	**N/A**	Correctly implemented. No staff have been seen outside of the working area.
Access Routes/Haul Roads				
The Contractor controls the movement of all vehicles and construction equipment, including those of suppliers and subcontractors, ensuring they remain on designated routes and are distributed to prevent undue traffic concentration. All vehicle and equipment movement complies with relevant laws. The movement of such vehicles and construction equipment is planned and operated to minimise disruption to regular users of the routes.	**Yes**	**No**	**N/A**	Correctly implemented.
As far as possible the Contractor uses existing access and haul routes.	**Yes**	**No**	**N/A**	Correctly implemented.
Any damage to existing access roads caused by construction activities has been repaired to the satisfaction of the Engineer using material similar to the original. The cost of repairs has been covered by the Contractor.	**Yes**	**No**	**N/A**	No road repairs have been required at this stage. It is noted that the access road to HAV1 Repl. is in poor condition and only accessible by 4x4 vehicle.
No new access roads or tracks have been constructed without the Landowner’s consent.	**Yes**	**No**	**N/A**	Correctly implemented.
Where new routes are required to gain site access, prior approval from the Engineer and ECO have been obtained. New access routes disturb the smallest possible area, avoid all "no-go" areas, and follow natural contours where possible.	**Yes**	**No**	**N/A**	No new routes are required at this stage.
Vehicle trips have been kept to a minimum to reduce vegetation damage, and all equipment has remained on the demarcated access route.	**Yes**	**No**	**N/A**	Correctly implemented.
All directional signage for vehicle and equipment movement required by the Contractor, their Subcontractors or Suppliers is of an approved design and located as approved by the Engineer.	**Yes**	**No**	**N/A**	No directional signage is currently required.
Eating Areas				
The Contractor has designated eating areas within the approved camp.	**Yes**	**No**	**N/A**	Partial Compliance. This is correctly implemented at the site camp at T4/5. However, there is no defined eating area for staff at HAV1 Repl. The Contractor has been requested to define an eating area at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)

(a)



(b)



27-03-2025 09:30 – Staff do not have an appropriate area for eating and storing of personal belongings at HAV1 Repl. (a) and (b). Their bags pose a risk of attracting baboons to the area.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The feeding of, or leaving of food for, animals is strictly prohibited.	Yes	No	N/A	No food is left out for animals. Baboons are known to be in the HAV1 Repl. area and staff at HAV1 Repl. do not have an eating area/place to store bags away from baboons. The ECO has requested that staff bags are placed in a storage container to prevent attracting baboons to the area.
Sufficient bins are provided in specified areas, and lockable bins are used where required to prevent animal access (especially baboons).	Yes	No	N/A	See section "Solid Waste Management, Litter and Refuse".
Any cooking onsite is done on well-maintained gas cookers with valid fire extinguishers present. No open fires for cooking purposes are permitted under any circumstances.	Yes	No	N/A	No cooking is being done onsite.
Materials Handling, Use and Storage				
The Contractor shall ensure that any delivery drivers and visitors to site are informed of all procedures and restrictions. A visitor's register has been kept on file.	Yes	No	N/A	Correctly implemented.
Materials shall be appropriately secured to ensure safe passage between destinations. Loads, will be secured appropriately to prevent them spilling from the vehicle during transit.	Yes	No	N/A	Correctly implemented.
The Contractor shall be responsible for any clean up resulting from the failure by their Employees or Suppliers to properly secure transported materials.	Yes	No	N/A	No clean-up has been required.
All manufactured and/or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Engineer/ECO, out of the rain.	Yes	No	N/A	Correctly implemented. Pipeline sections have been stored in the trench opposite the site camp at T4/5. Further building material have been stored in a fenced off area next to the Contractors site camp. Some materials are stored adjacent to the working area at HAV1 Repl. on a previously disturbed area.

(a)



(b)



27-03-2025 09:30 – Some construction materials have been stored adjacent to the working area at HAV1. Repl. (a) and further materials have been stored in the fenced area next to the Contractors site camp at T4/5 (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Engineer/ECO's approval. Stockpile areas shall be approved by the Engineer/ECO before any stockpiling commences.	Yes	No	N/A	Correctly implemented.
Handling, Use and Storage of Hazardous Substances				
Surfaces where hydrocarbon spills may occur are adequately prepared to prevent pollution.	Yes	No	N/A	One of the drip trays beneath the excavator onsite at T4/5 is broken and needs to be replaced. No oil or fuel is dripping into the drip tray. The Contractor was requested to obtain a new drip tray. This has been outstanding since 14-03-2025.
 **27-03-2025 09:30 – Broken drip tray beneath the excavator onsite at T4/5. This has been outstanding since the 14-03-2025.**				
The ECO has been informed of all hazardous substances stored onsite, and MSDSs have been provided.	Yes	No	N/A	MSDSs for petrol, diesel and cement are available in the site file.
Hazardous substances are stored in an appropriate area, in leak proof containers which are correctly labelled. Bunding the area will be required if necessary, as per the ECO.	Yes	No	N/A	Correctly implemented. There are no hazardous substances at HAV1 Repl. Diesel and cement are stored in the container at site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **27-03-2025 09:30 – Hazardous liquids are stored in the container atop a drip tray in the container at the site camp.**				
Spills are immediately contained, the source is isolated, and the spillage is removed. Cleanup is conducted by applying absorbent material or by removing contaminated soil.	**Yes**	**No**	**N/A**	No spills have occurred.
Treatment or remediation of the spill is done to the satisfaction of the ECO, with waste disposed of at a licensed facility and disposal slips provided to the ECO.	**Yes**	**No**	**N/A**	As above.
Hydrocarbon Management (Fuels, Oils and lubricants)				
Hydrocarbon storage area is located where it does not pose a risk to sensitive ecosystems and or traffic and staff safety.	**Yes**	**No**	**N/A**	Correctly implemented.
Surfaces, where the possibility of hydrocarbon spillage exists, are prepared in such a way as to mitigate these risks.	**Yes**	**No**	**N/A**	See above in “Handling, Use and Storage of Hazardous Substances”.
Drip trays are placed under all parked or stationary plant/vehicles/machinery, and these containers are inspected to ensure no leakage occurs.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Diesel/fuel is stored in sound storage tanks or in bowsers, and the tanks/bowsers are placed within a bunded area or on an area where the ground has been protected.	Yes	No	N/A	Correctly implemented.
A spill kit is available on-site at all times, and unauthorized access to the fuel storage area is prevented.	Yes	No	N/A	A spill kit is available at the site camp at T4/5.
No smoking is permitted near the fuel storage area.	Yes	No	N/A	Correctly implemented.
The Contractor has ensured that there is adequate fire-fighting equipment at the fuel stores.	Yes	No	N/A	Correctly implemented. See “Fire Control” below.
Fuel containers are secured during transport.	Yes	No	N/A	Correctly implemented.
The surface under the refuelling area is protected against pollution to the ECO's satisfaction prior to refuelling activities. Equipment is refuelled with the use of drip trays.	Yes	No	N/A	No refuelling has been observed by the ECO.
Cement and Concrete Batching				
Batching will only occur in areas which are located on a smooth impermeable surface (concrete or 250 pm plastic) and cement is batched (mixed) in a bunded area within the boundaries of the development footprint.	Yes	No	N/A	No concrete/cement has been required yet.
Cement is stored within weatherproof facilities/covered to prevent environmental contamination.	Yes	No	N/A	As above.
All wastewater resulting from batching of cement/concrete is disposed of via the contaminated water management system and is not discharged into the environment.	Yes	No	N/A	As above.
Waste water from cement/concrete works and tool washing will be directed into a sump lined with bidim.	Yes	No	N/A	As above.
Once work is complete the bidim sump will be removed and the waste material will be disposed of at a licensed facility.	Yes	No	N/A	As above.
Diversion berms are installed to direct contaminated water to a storage area, and contaminated water storage areas are protected from overflow, rain, and flooding.	Yes	No	N/A	As above.
Sand, aggregate, cement or additives used during the mixing process are stored and appropriately and to prevent contamination of the surrounding environment.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Empty cement bags are stored in weatherproof containers to prevent contamination and are disposed of regularly through the hazardous waste management system.	Yes	No	N/A	As above.
Reasonable measures are taken by the Contractor to prevent cement/concrete spillage during batching and construction. The ground beneath the shoots of cement trucks shall be protected with plastic sheeting.	Yes	No	N/A	As above.
Spoiled or excess aggregate/cement/concrete is removed and disposed of through the solid waste management system, with a disposal certificate retained in the site file.	Yes	No	N/A	As above.
Plant				
Equipment selection and operation are done with environmental degradation minimized, and equipment operators are made aware of environmental requirements and controls. Environmental training registers are kept on file onsite.	Yes	No	N/A	Equipment selection has been considered by the Contractor and a smaller excavator will be required once trenching begins at T4/5. All machine operators will receive environmental awareness training prior to starting onsite.
Equipment Maintenance and Storage				
Leaking equipment or vehicles emitting noticeably excessive fumes are repaired immediately or removed from Site.	Yes	No	N/A	The excavator arm is dripping oil onto itself. A cloth has been used to temporarily stop the oil from dripping onto itself and the drip tray beneath. The drip tray is empty, and no spills have occurred. The Contractor was requested to repair or remove the excavator from site. This is still outstanding from the 14-03-2025.



(a)

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **(b) 27-03-2025 09:30 – A cloth has been used to temporarily stop the oil dripping (a), there is no oil in the drip tray beneath (b).**				
Vehicles and machinery are serviced off-site, or if onsite maintenance is necessary, it is done outside sensitive areas, with prior approval from the Engineer and ECO. Portable drip trays on plastic are used to collect waste oil and lubricants to prevent environmental contamination.	**Yes**	**No**	**N/A**	No servicing or repairs have occurred.
Drip trays are provided in construction areas for stationary/parked equipment, inspected and emptied daily, and monitored during rain events to prevent overflow. The Contractor ensures that equipment is covered so that rainwater is excluded from the drip trays.	**Yes**	**No**	**N/A**	See section “Handling, Use and Storage of Hazardous Substances” above.
Oil from drip trays is stored in clean drums on protected ground and removed regularly to an oil-recycling centre. Proof of disposal is kept on file onsite.	**Yes**	**No**	**N/A**	Correctly implemented. The oil and rainwater from the drip tray beneath the excavator arm has been stored in a secure container until it can be disposed of as hazardous waste. The ECO has requested that the bottle be labelled as such.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **27-03-2025 09:30 – Oil and rainwater from the drip tray beneath the excavator arm is stored in a sealed container in the Contractors container on a drip tray.**				
Washing of equipment onsite is strictly prohibited.	**Yes**	**No**	**N/A**	No washing has occurred.
Ablution and Toilet Facilities				
Washing, defecating, and urinating are only permitted at designated facilities.	**Yes**	**No**	**N/A**	No washing, defecating, or urinating has occurred outside of toilet facilities.
Ablution facilities, including shelter, toilets, and washing facilities, are provided by the Contractor for all personnel onsite. Toilet facilities are provided at a ratio of at least 1 toilet per 30 workers (1:15 preferred).	**Yes**	**No**	**N/A**	Correctly implemented at both sites.
Toilet facilities are located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All portable toilets are adequately secured to the ground to prevent them toppling over because of wind or any other cause, and latched closed to prevent fauna getting in.	Yes	No	N/A	Partial compliance at HAV1 Repl.: the toilet is latched from the outside to prevent animals entering but is not secured to prevent toppling. The Contractor was requested to secure the toilet to the ground. Note: this is still outstanding since the 20-03 2025. Correctly implemented at T4/5.
 **27-03-2025 09:30 – The toilet at HAV1 Repl. is not secured to prevent toppling but is locked from the outside.**				
The Contractor has ensured that the entrances to these toilets are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site.	Yes	No	N/A	Correctly implemented.
Discharge of waste from toilets into the environment and burial of waste is strictly prohibited.	Yes	No	N/A	No waste from toilets has been buried.
No ablution facilities are located closer than 50 m to any watercourse, wetland or other surface water body.	Yes	No	N/A	Correctly implemented.
Water Use				
Water is conserved wherever possible, with efforts to minimize usage and immediate attention given to any wastage.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Water for potable use is sourced from a legal source, and the Contractor absolves the Employer of all risk or liability regarding compliance with relevant statutory obligations.	**Yes**	**No**	**N/A**	Correctly implemented. Water for construction at both sites is taken from the municipal line running from the old HAV1 borehole.



27-03-2025 09:30 – A temporary connection to the below ground pipeline has been made at the old HAV1 borehole to access water for construction at both sites.

Water is not abstracted from private property without the prior written approval of the Landowner.	**Yes**	**No**	**N/A**	Correctly implemented. Permission was given to the Contractor by the Overtstrand Municipality to use the groundwater from the old HAV1 borehole.
Only non-potable water from an approved source is used for construction activities such as dust suppression, etc.	**Yes**	**No**	**N/A**	Correctly implemented.
Water for construction purposes is bought to site in bowsers and stored in appropriately if required.	**Yes**	**No**	**N/A**	Water for T4/5 is transported in jerry cans when needed. It has been stored in an open container onsite and will be used for the washing of cement covered tools when required, in leau of a bidim-lined sump in the ground.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
 **27-03-2025 09:30 – Tank for construction water at T4/5.**				
The Contractor ensures that the re-use of construction water is maximised.	**Yes**	**No**	**N/A**	Correctly implemented.
Fire Control				
The Contractor takes adequate precautions to ensure that the fire hazard on and near the site is reduced to a minimum and no fires have occurred/ been lit onsite.	**Yes**	**No**	**N/A**	Correctly implemented, no fires have occurred.
Any fires which occur are reported to the ECO immediately.	**Yes**	**No**	**N/A**	No fires have occurred.
Smoking is only permitted in designated smoking areas, which are demarcated, equipped with ash trays and fire-fighting equipment, and located away from fire hazards such as fuel storage, refuelling areas, or dense/grassy vegetation.	**Yes**	**No**	**N/A**	Correctly implemented at both sites. There is an ash tray in the staff rest area at the site camp as well as an ash tray at HAV1 Repl.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



(a)



(b)

27-03-2025 09:30 – A smoking area has been set up at both site camp (a) and HAV1 Repl. (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
A Fire Officer (may be the ESO) is appointed by the Contractor to ensure immediate and appropriate actions in the event of a fire and to make employees aware of the fire procedure.	Yes	No	N/A	Correctly implemented.
The relevant authority is notified immediately when a fire starts, without waiting until it can no longer be controlled.	Yes	No	N/A	No fires have occurred.
The Contractor has ensured that there is always suitable and sufficient firefighting equipment available onsite.	Yes	No	N/A	Correctly implemented at both sites. There are currently 3 fire extinguishers at the site camp, all expiring in 03/2026, and one at HAV1 Repl. with the same expiry date.
 **27-03-2025 09:30 – Valid fire extinguisher onsite at HAV1 Repl.**				
The Contractor has submitted an EMS to The ECO covering the procedure to be followed in the event of a fire.	Yes	No	N/A	Correctly implemented.
Necessary materials and equipment for dealing with oil, fuel, and hazardous substance spills (spill kits) and leaks are always onsite and up to date as a pre-emptive fire protection method.	Yes	No	N/A	Correctly implemented.
The storage of hazardous/flammable materials and substances complies with national, provincial, and local regulatory requirements.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Hot works				
Any welding and/or hot work has been undertaken with the necessary safety equipment, i.e., welding screens with functional/serviced fire extinguishers onsite.	**Yes**	**No**	**N/A**	No hot works have been required at this stage.
Designated staff have undergone fire-safety training and are certified to operate fire extinguishers and put out fires safely and quickly.	**Yes**	**No**	**N/A**	Correctly implemented.
Solid Waste Management, Litter and Refuse				
The site is kept neat and clean, and littering is prohibited.	**Yes**	**No**	**N/A**	Correctly implemented.
Burying or dumping of waste materials, vegetation, litter, or refuse onsite is prohibited.	**Yes**	**No**	**N/A**	No waste has been buried or dumped.
Lockable and weatherproof bins with lids are provided in sufficient number and capacity to store daily solid waste. Lids are kept firmly on the bins, and they are emptied regularly, at least once a week, to prevent overflow.	**Yes**	**No**	**N/A**	There are no bins onsite. This has been outstanding since the 14-03-2025. The waste from HAV1 Repl. is being taken to the site camp at the end of each day. All general waste is being stored in the Contractors staff area in black bags. The Contractor has been requested to obtain bins for general, hazardous and recycling waste.

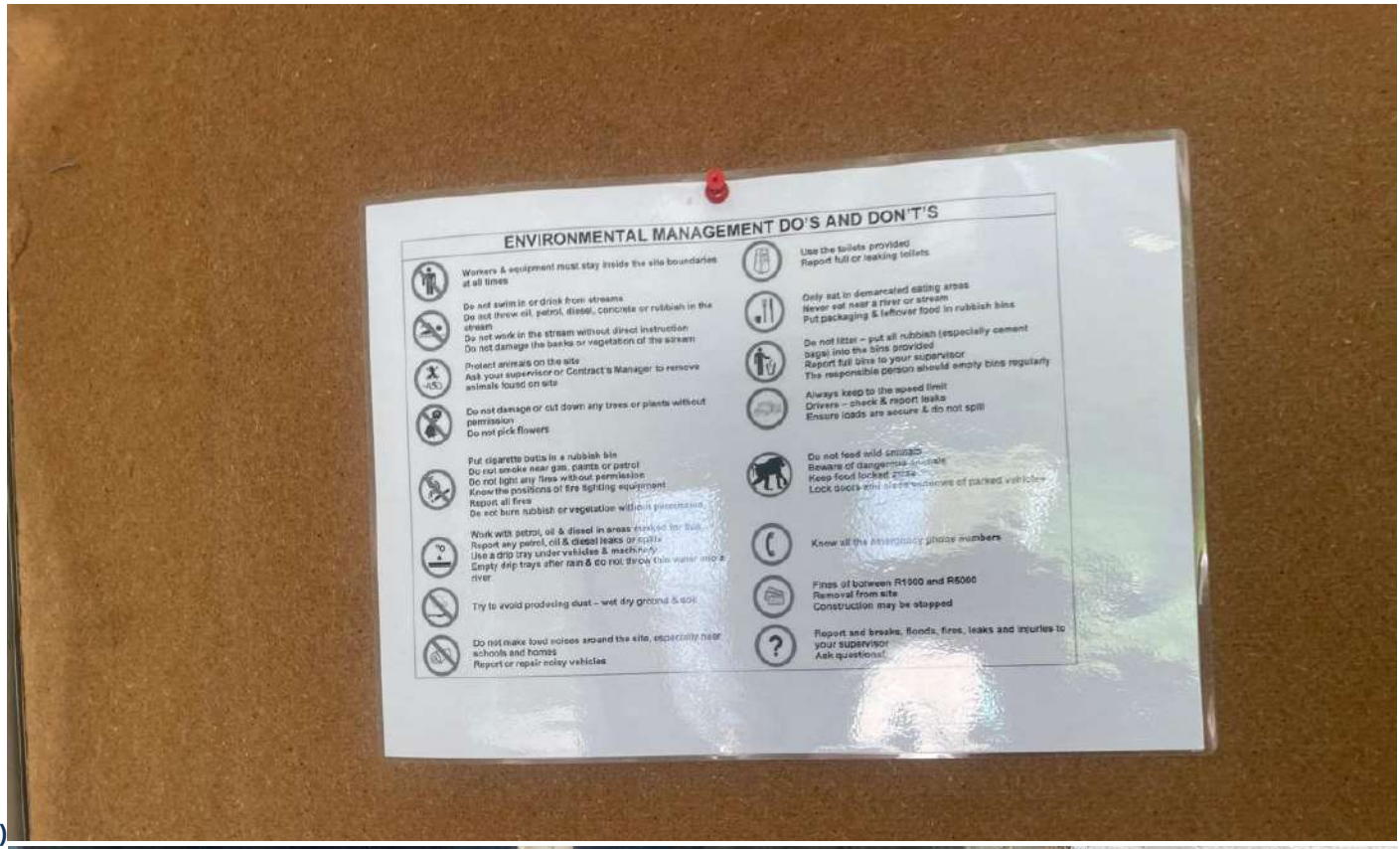


27-03-2025 09:30 – The general waste is stored in black bags behind a gate at the site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Waste from bins may be temporarily stored onsite in a central waste area that is weatherproof and scavenger proof (lockable), and which the ECO has approved.	Yes	No	N/A	As above.
Refuse is recycled wherever possible, with containers provided for glass, paper, metals, and plastics, and contents delivered to suitable recycling facilities when necessary.	Yes	No	N/A	As above.
All construction waste or spoil material is recycled wherever possible, either onsite or taken back to the Contractor's workshop for disposal, with disposal slips provided.	Yes	No	N/A	There has been no construction waste thus far.
All litter and refuse are disposed of offsite at an approved landfill site. The Contractor provides the ECO with a certificate of disposal and retains a copy in the Site file.	Yes	No	N/A	No waste disposal has occurred yet. The disposal slips will be retained by the Contractor and shared with the ECO when work begins.
Contaminated Water Management				
Water containing pollutants such as cement, concrete, lime, chemicals, oils, and fuels is discharged into a conservancy tank for removal to a licensed disposal facility. A certificate of disposal is retained in the Site file. This applies to water from concrete batching plants and runoff from fuel storage, refuelling, or equipment washing areas.	Yes	No	N/A	Correctly implemented.
No paint products, chemical additives, or cleaners (e.g., thinners and turpentine) or their wash water are disposed of onsite.	Yes	No	N/A	There are no paint products onsite.
The Contractor notifies the ECO immediately of any pollution incidents onsite and takes all reasonable measures to contain and minimize the effects of the pollution.	Yes	No	N/A	No pollution incidents have occurred.
Lights				
The Contractor ensures that onsite lighting does not cause avoidable disturbances to surrounding users and does not attract unwanted insects or animals. All installed lighting is energy-efficient where practical and is turned off when not in use.	Yes	No	N/A	No work will be occurring at night at either site.
Noise				
The Contractor limits noise levels (for example, by installing and maintaining silencers on plant equipment or using hay bales to lessen the noise).	Yes	No	N/A	Not required at this stage. Will be implemented if required.
Employees are provided with adequate PPE with respect to ear protection.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
No amplified music or sound equipment is allowed onsite. Audio equipment may only be used at low volumes to remain unobtrusive. Sound amplification is permitted only in emergency situations.	**Yes**	**No**	**N/A**	No music or sound equipment present onsite.
Dust Management				
The Contractor takes all reasonable measures to minimise the generation of dust.	**Yes**	**No**	**N/A**	Not required at this stage. Dust levels will be monitored, and dust suppression will be implemented as and when required.
Stockpiles are kept in sheltered areas and managed in the following manner: Stockpile slopes are minimized to a natural angle of repose; stockpile sizes have been limited to a maximum height of 2 meters and stockpiles not in active use have been covered with shade cloth or geofabric.	**Yes**	**No**	**N/A**	There are no stockpiles yet.
Dust suppression (wetting or other best practicable environmental option) is used in and around the Construction area, along haul roads, at stockpiles, and any additional area indicated by the EO/ECO.	**Yes**	**No**	**N/A**	Not required at this stage.
Dowsing, with non-potable water (not including treated effluent or seawater, which may not be used for any activities), is implemented to reduce and control dust fallout.	**Yes**	**No**	**N/A**	As above.
Construction Personnel Information Posters				
Environmental information posters (“dos and don’ts”) have been erected at eating areas and other common areas. Posters are maintained in good condition and replaced if damaged or illegible.	**Yes**	**No**	**N/A**	Correctly implemented. Environmental (“dos and don’ts”) posters have been displayed at the site camp.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)



(a)



(b)

27-03-2025 09:30 – Environmental posters displayed at the site camp (a) and (b).

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Emergency Procedures				
EMS procedures are in place for emergencies and are being followed.	**Yes**	**No**	**N/A**	No emergencies have occurred.
In the event of an emergency, the Overstrand Municipality's Emergency Call Centre has been contacted using the appropriate numbers. Emergency contact numbers, including the local firefighting service, are posted in the Contractor's office and near the onsite telephone, and are retained in the Site file.	**Yes**	**No**	**N/A**	As above.
General Protections in Terms of the National Heritage Resources Act (25 of 1999)				
If any heritage resource is encountered, work is stopped immediately, and the Engineer and ECO are notified. In this case, the Engineer/ECO contacts the relevant Heritage Authority, and work proceeds only upon their approval.	**Yes**	**No**	**N/A**	No heritage resources have been discovered.
A copy of the Record of Decision issued by Heritage Authorities is kept onsite, and The Contractor complies with the heritage management specifics outlined in the EMPr.	**Yes**	**No**	**N/A**	As above.
Protection of Natural Features				
The Contractor does not deface, paint, damage or mark any natural features situated in or around the site for survey or other purposes, unless agreed beforehand with the Engineer, ECO and Landowner.	**Yes**	**No**	**N/A**	Correctly implemented.
Any features affected by the Contractor in shall be restored/rehabilitated to the satisfaction of the ECO and Landowner.	**Yes**	**No**	**N/A**	No features have been affected.
Protection of Flora and Fauna				
Vegetation and flora are not removed, damaged, or disturbed except as necessary for the works, as specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented. During the overhead cable installation at T4/5, all vegetation beneath the cable was brush-cut and improperly treated. The area will be monitored until the alien vegetation can be correctly identified and treated with an appropriate herbicide for proper removal.
A Specialist has identified natural vegetation or rare/endangered flora to be preserved. The Contractor has demarcated these areas as "no-go areas" to protect the flora. Necessary measures have been taken to ensure the protection of identified flora.	**Yes**	**No**	**N/A**	Search and Rescue was completed by a Specialist for the pipeline route at T4/5 on 25-02-2025 and a Rehabilitation Progress Report provided.
Equipment has not been driven across natural vegetation, where possible. Areas of needless vegetation destruction have been reinstated to the standard specified by the ECO.	**Yes**	**No**	**N/A**	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Trapping, poisoning, shooting, or hunting of animals, including collecting carcasses, is strictly prohibited. No domestic pets or livestock are permitted onsite, and Site staff are prohibited from keeping pets. Measures are in place to keep domestic and native animals from surrounding Landowners safe from unprotected Works.	Yes	No	N/A	No hunting has occurred.
Clearing of Vegetation				
Vegetation clearance is strictly limited to what is required for construction activities. A qualified Botanical Specialist has been appointed to identify and oversee the removal, rescue, and relocation of Species of Conservation Concern (SOCC).	Yes	No	N/A	Search and Rescue has been completed by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
Vegetation clearance has been approved by the Botanical Specialist, in line with the approved EMPr. vegetation clearance is restricted to the exploration camp, approved access routes, and areas where vegetation interferes with construction activities. No undue or unnecessary vegetation removal has occurred.	Yes	No	N/A	Correctly implemented.
Approved vegetation clearance is undertaken by hand using handheld implements, cutting vegetation at ground level without uprooting. Root structures are not removed or tampered with, and roots are left intact and in situ as far as reasonably possible.	Yes	No	N/A	Correctly implemented by a Specialist for the pipeline route at T4/5. See above. Not required at HAV1 Repl.
No tracked or wheeled mechanised equipment is used for vegetation clearance.	Yes	No	N/A	As above.
Vegetation clearance is conducted in phases to reduce erosion and water pollution. Clearing operations are scheduled to minimise the exposure time of cleared areas before construction starts. Cleared areas are stabilised as soon as possible where necessary.	Yes	No	N/A	As above.
Site clearance activities cease immediately upon encountering fauna. Fauna is safely relocated before activities resume.	Yes	No	N/A	As above.
Vegetation is disposed of at an approved disposal site. Burying or burning of vegetation is strictly prohibited. Cut vegetation is to be disposed of at a licensed landfill facility with slips provided to the ECO.	Yes	No	N/A	The Contractor is in the process of obtaining a disposal slip for the disposal of brush cut vegetation following clearance for the T4/5 power line.
Riparian and Instream Habitat				
No construction activities occur within riparian or wetland habitats.	Yes	No	N/A	Correctly implemented.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Topsoil Management				
Topsoil (up to 300 mm deep, or to bedrock if shallower) and root material from cleared vegetation are stripped for rehabilitation and revegetation. Stripping is done according to the specified depth.	**Yes**	**No**	**N/A**	Topsoil has not been cleared yet. Current excavations have occurred on previously disturbed areas.
Topsoil is stripped from all areas subject to compaction, as per environmental specifications and ECO direction. Topsoil from different areas is stockpiled separately and returned to its original location, as well as stored separately from subsoil.	**Yes**	**No**	**N/A**	As above.
Topsoil is covered with shade cloth or geofabric to prevent desiccation.	**Yes**	**No**	**N/A**	As above.
Stockpiles are placed on previously disturbed areas or areas with minimal environmental impact. Stockpiles do not exceed 2 m in height and maintain a natural angle of repose.	**Yes**	**No**	**N/A**	As above.
Erosion control measures (e.g., bund walls) are in place to prevent stockpile erosion and compaction. Stockpiles do not obstruct water flow or cause water damming.	**Yes**	**No**	**N/A**	As above.
Topsoil and subsoil are stockpiled separately and reinstated in reverse order. Topsoil is only handled during removal and reinstatement. Replaced soil is compacted and levelled with adjacent areas, especially near watercourses.	**Yes**	**No**	**N/A**	As above.
Erosion and Sedimentation Control				
Any erosion or sedimentation on or off-site has been identified and reported. Rectification measures, as specified by the ECO, have been implemented.	**Yes**	**No**	**N/A**	No erosion has occurred.
Any tunnels or erosion channels have been backfilled, compacted, and restored.	**Yes**	**No**	**N/A**	As above.
Cleared areas have been stabilised to prevent erosion, as per ECO's guidance.	**Yes**	**No**	**N/A**	As above.
Earthworks Management				
Excavated trenches are demarcated and fenced off as "no-go" areas when no Construction activity is underway. Trenches and excavations are backfilled as soon as possible, ideally during pipeline/cabling laydown.	**Yes**	**No**	**N/A**	Shallow excavations for pump house foundations have been dug at both sites. Fencing for excavations will be required by the next inspection as some setup is still underway.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Open trenches are inspected daily for trapped animals, and any found are safely relocated. Excavation in watercourses/wetlands occurs only in the dry season and is avoided during predicted heavy rains.	Yes	No	N/A	As above.
Soils are appropriately compacted according to the natural soil characteristics of the area to preserve future surface and subsurface drainage through the previously trenched areas.	Yes	No	N/A	No excavations have been closed.
Stockpiles are kept free of weeds throughout construction. Stockpiles are not placed within the 1:20 flood line, within 50 m of wetlands/watercourses, or outside designated areas in construction diagrams.	Yes	No	N/A	Correctly implemented.
Only backfill material from an approved, alien-free source is used. Backfill is free of foreign matter such as litter, waste, vegetation, and seed stock.	Yes	No	N/A	No backfill material has been required yet.
Changes in natural gradients due to Construction activities are avoided where possible or mitigated by levelling the slope to the original gradient during rehabilitation.	Yes	No	N/A	As above.
Trenching				
Trenching for services shall be undertaken in accordance with the engineering specifications with the following environmental amplifications.	Yes	No	N/A	No trenching has begun.
A buffer zone must be implemented for each wetland/watercourse and construction within the buffer zone must be restricted to the trench line and working side of the trench.	Yes	No	N/A	No trenching will occur next to a wetland or watercourse.
Soil shall be excavated and used for refilling trenches i.e., soil from the first trench shall be excavated and stockpiled, thereafter soil from the second excavated trench length shall be used to backfill the trench behind it once the services have been laid. The last trench shall be filled using the soil stockpiled from the first trench.	Yes	No	N/A	No trenching has begun.
Trench lengths shall be kept as short as practically possible before backfilling and compacting.	Yes	No	N/A	As above.
Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion.	Yes	No	N/A	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Protection of Watercourses, Waterbodies and Wetlands				
The Contractor ensures that all watercourses and waterbodies are protected from contamination or degradation as a result of their activities, including protection from direct or indirect spills of pollutants.	**Yes**	**No**	**N/A**	No watercourses or waterbodies have been contaminated or degraded.
In the event of a spill, prompt action (as planned and approved in the Emergency Plan Method Statement) is taken to clear the polluted or affected areas, and the Engineer and ECO has been notified immediately.	**Yes**	**No**	**N/A**	No spills have occurred.
No activities occur within wetland areas unless necessary, with approval from the Engineer and ECO.	**Yes**	**No**	**N/A**	Correctly implemented.
Stormwater, Runoff Management and General Water Management				
No stormwater containing waste, or water containing waste emanating from Construction activities is discharged into a watercourse or waterbody.	**Yes**	**No**	**N/A**	No stormwater management is required at this stage. However, as works progress towards the start of the wet season the Contractor will be required to implement stormwater management.
Uncontaminated water is removed from the site by allowing it to seep back into the soil around the site.	**Yes**	**No**	**N/A**	As above.
Suitable control of runoff is ensured during the Construction phase to prevent erosion of topsoil on stockpiles and adjacent land and undeveloped portions of the site. Erosion is monitored, and mitigation measures are implemented including, but not limited to, utilisation of sandbags and berms to prevent water from engrossing on sensitive ecosystems and to focus drainage into soft sands around the site.	**Yes**	**No**	**N/A**	As above.
Clean water and dirty water systems are managed independently and be kept separately.	**Yes**	**No**	**N/A**	As above.
Erosion and stormwater management measures, such as berms, silt fences, and/or hessian curtains, have been implemented to prevent sedimentation of freshwater features and divert stormwater away from erosion-prone areas. Erosion control measures are being monitored regularly throughout the construction phase to ensure effectiveness.	**Yes**	**No**	**N/A**	As above.
Stormwater is directed towards stabilised areas to dissipate the energy of water flow. No ponding of stormwater is occurring on the site. Stormwater is confined to a dedicated stormwater channel on the Site. Stormwater from bunded areas is collected in a suitable container for proper disposal off-site.	**Yes**	**No**	**N/A**	As above.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
Increased runoff from vegetation clearance and/or soil compaction is being managed to prevent erosion and silt entry into streams.	Yes	No	N/A	As above.
Temporary Site Closure				
In the event of temporary Site closure (for a period exceeding one week), the Contractor's ESO shall carry out checks and report on compliance to the ECO.	Yes	No	N/A	Work is ongoing and there are currently no temporarily closed sites.
Fire extinguishers are serviced and accessible.	Yes	No	N/A	As above.
There is adequate ventilation in enclosed spaces.	Yes	No	N/A	As above.
All hazardous substance stores are securely locked.	Yes	No	N/A	As above.
Fencing and barriers are in place.	Yes	No	N/A	As above.
Emergency and management contact details are prominently displayed and available.	Yes	No	N/A	As above.
Wind and dust mitigation measures e.g., straw, brush packs, irrigation, etc. are in place.	Yes	No	N/A	As above.
Excavated and filled slopes and stockpiles are at a stable angle and capable of accommodating normal expected water flows.	Yes	No	N/A	As above.
There are sufficient detention ponds or channels in place.	Yes	No	N/A	As above.
Cement and materials stores are secured.	Yes	No	N/A	As above.
Toilets are empty, secured, and lockable.	Yes	No	N/A	As above.
Central waste area and all refuse bins are empty and secured.	Yes	No	N/A	As above.
Contaminated water conservancy tank empty.	Yes	No	N/A	As above.
Any bunded areas are clean and treated with an approved product where applicable (e.g., Spill Sorb or Enretech #1 Powder or equivalent).	Yes	No	N/A	As above.
Drip trays are empty and secure.	Yes	No	N/A	As above.
Excavations should not be left open during temporary closures. If an excavation must remain open during temporary closure, then someone must check the excavation on a regular basis for the presence of animals and for the need to de-water (especially after rainfall).	Yes	No	N/A	As above.
Demolition and Removal of Structures				
The Contractor demolishes and removes from site everything not forming part of the Permanent Works, prior to landscaping and rehabilitation.	Yes	No	N/A	Work is ongoing. Not required at this stage.

Monitored Parameter	Yes	No	N/A	Comments (i.e., specify location, good practices, problem observed, possible cause of non-compliance and/or proposed corrective action/preventative action)
All material generated from the demolition and removal of structures from site are appropriately disposed of if not reused. All incidental excavations are refilled and adequately compacted and rehabilitated.	**Yes**	**No**	**N/A**	As above.

The responsible personnel shall identify the root cause of Non-Compliance found and adopt the appropriate Corrective and Preventive Actions for mitigation measures. Confirmation of the effectiveness of the Corrective and Preventive Actions shall be verified by the ECO and approved by the Overstrand Municipality within an agreed time.



(Environmental Control Officer: Melissa Weeks)

Date: 27-03-2025