

Rating

N/A for this audit

Auditor

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- 1 Unsatisfactory (<50% compliance)
- 2 Sub-par(>50% - <70%)
- 3 Satisfactory (>70% - <90%)
- 4 Compliant (>90% compliance)
- 5 Best practice / Full compliance

No.	EMP Requirement	Finding	Comments Resolution	Compliance Rating
1	Method Statements - Emergencies and communication			
1.1	The contractor must provide Method Statements on the protocols to be followed, and contingencies to be put in place as per the EMP. The contractor must provide method statements on the protocols to be followed, and contingencies to be put in place for the following, before construction may begin: • Emergency spills procedures for the contamination of soils from spills and fire, with specific reference to the river where applicable. • Handling & storage of oils and chemicals • Cement and concrete batching, which includes the storage, washing & disposal of cement, packaging, tools and plant. • Diesel tanks and refuelling procedures • Crew camps and construction lay down areas • Workshop maintenance and cleaning of plant	Sub-par(>50% - <70%)	No method statements have been received to date	2
1.2	The EMP and the RMMP must be included as part of the tender documentation, A copy of this EMP and the RMMP must be available on site.	Supply proof	Contractor should please supply proof of the new RMMP in the file and proof of it being included in the contract documentation	
2	Site demarcation and development			
2.1	The surveys for the overall project area and construction footprint as approved in the Environmental Authorisation (EA) must be complete and clearly demarcated before the contractors set up their crew camps or begin construction.	Unsatisfactory (<50% compliance)	The development footprint has not been demarcated to date	2
2.2	All relevant 'general' and 'specific' conditions contained in the Environmental Authorisation (EA) must be included in the space provided below and included as part of this EMP when the 'declaration of understanding' is signed by Breede Valley Municipality, the Engineer and the Contractor.	Sub-par(>50% - <70%)	EMPr declaration to be signed	
3	No-go / Sensitive areas			
3.1	All construction activities must remain within the boundaries of the development area, as set out prior to the start of construction. The construction footprint must be kept to a minimum within watercourses.	Compliant (>90% compliance)	The road was fenced	5
3.2	No unauthorised entry, stockpiling, dumping or storage of equipment or materials shall be allowed outside the construction footprint	Compliant (>90% compliance)		5
3.3	Rehabilitation of disturbed areas after construction should be part of the contract. The rehabilitation shall be done in line with the River Maintenance and Management Plan. Any future Management activity to be carried out shall be done in line with the River Maintenance and Management Plan.	N/A for this audit		N/A
4	Freshwater			
4.1	Site preparation prior to construction activities at least 32m away from freshwater ecosystems but within the 100m GN509 of the EDLs and the 1:100-year flood line of the Hex River (Support Tower 1, 2, 3, 4, 7, 12, 13, 17, 22, 23). • Additional freshwater ecosystem crossings must be limited, and use made of existing freshwater ecosystem crossings to access the project sites which will limit edge effects, erosion and sedimentation of the freshwater ecosystems during the construction phase. • The reaches of the freshwater ecosystems where no OHPL activities are planned must be considered no-go areas.	Sub-par(>50% - <70%)	Works should please be demarcated	3
4.2	Site preparation prior to construction activities outside of the delineated extent of freshwater ecosystems, but within 32m from freshwater ecosystems (Support Tower 5 & 11). • Additional freshwater ecosystem crossings must be limited, and use made of existing freshwater ecosystem crossings to access the project sites which will limit edge effects, erosion and sedimentation of the freshwater ecosystems during the construction phase. • Contractor laydown areas, vehicle re-fuelling areas and material storage facilities to remain outside of the freshwater ecosystems and their associated 32 m NEMA exclusion buffer and outside of the 100 m GN509 ZoR (due to the potential risk of pollution associated with these dangerous goods	Satisfactory (>70% - <90%)	Works should please be demarcated	3
5	Stockpiles			
5.1	Topsoil stockpiles must be monitored for invasive exotic vegetation growth. Contractors must remediate as and when required in consultation with the EO, RE and ECO.	Compliant (>90% compliance)		5
5.2	Topsoil stockpiles must be clearly demarcated as no-go areas.	Satisfactory (>70% - <90%)	Topsoil has not been demarcated to date	3
6	Oil and chemicals			
6.1	Drip trays (minimum of 10cm deep) must be placed under all machinery and vehicles.	Compliant (>90% compliance)		4
6.2	All spilled hazardous substances must be contained in impermeable containers for removal to a General & Hazardous Waste Landfill site, (this includes contaminated soils, and drenched spill kit material).	Compliant (>90% compliance)		5
6.3	Spill kits must be made up of material/product that is in line with environmental best practice (sunsorb is a recommended product that is environmentally friendly).	Compliant (>90% compliance)	A spill kit was found at the site camp	5

7	Cement			
7.1	It is suggested that ready-mix cement be used as far as possible to minimize the possible impact on the surrounding environment.	Compliant (>90% compliance)		4
7.2	The mixing of concrete shall only be done at selected sites on mortar boards or similar structures to contain run-off into natural vegetation, soils, and streams leading to the river. Cleaning of cement mixing and handling equipment shall be done using proper cleaning trays.	Satisfactory (>70% - <90%)	Concrete remains were seen on site	3
7.3	The visible remains of concrete, either solid, or from washings, shall be physically removed immediately and disposed of as waste to a Licensed Landfill site. Washing of the remains into the ground is unacceptable.	Satisfactory (>70% - <90%)	Concrete remains were seen on site	3
8	Dangerous and Toxic Materials			
8.1	Materials such as fuel, oil, paint, herbicide and insecticides must be sealed and stored in bermed areas or under lock and key, as appropriate, in well-ventilated areas.	Compliant (>90% compliance)	Chemicals etc. was stored in the site camp	5
8.2	Sufficient care must be taken when handling these materials to prevent pollution. Training on the handling of dangerous and toxic materials must be conducted for all staff prior to the commencement of construction.	Compliant (>90% compliance)		4
9	Bulk storage of fuels and oils			
9.1	Bulk fuel storage tanks on the site shall be on an impervious surface that is bunded and able to contain at least 110% of the volume of the tanks. The filler tap must be inside the bunded area where possible and the bund wall must not have a tap or valve.	Compliant (>90% compliance)		4
9.2	Bulk fuel storage tanks shall be located in a portion of the construction camp where they do not pose a high risk in terms of water pollution (i.e. they must be located away from the storm water canal).	Compliant (>90% compliance)		4
10	Site camp and Eating areas			
10.1	An adequate amount of refuse bins with lids must be provided and cleaned on a regular basis. The bins are to be secure, wind, weather and scavenger proof.	Compliant (>90% compliance)		4
10.2	Litter (even if originating outside the camp) and concrete bags etc. must be picked up daily and put into suitably closed bins.	Satisfactory (>70% - <90%)	Litter in site camp should please be removed	3
11	Toilets and ablution facilities			
11.1	The contractor will be responsible for providing all sanitary arrangements for his and the sub-contractors team. A minimum of one chemical toilet shall be provided per 15 persons. Toilets provided by the contractor must be easily accessible and a maximum of 150m from the works area to ensure they are utilised.	Compliant (>90% compliance)	Toilets were found on site	4
11.2	The wetland and stream area may NOT be used for any ablution activities. FINES will be payable should any person be caught.	N/A for this audit		N/A
11.3	Toilets out on site must be secured to the ground and have a sufficient locking mechanism operational at all times.	Compliant (>90% compliance)	Please ensure that all chemical toilets are properly secured to prevent them from blowing over	5
12	Waste management			
12.1	Any illegal dumping of waste will not be tolerated. Proof of legal dumping must be forwarded to the ECO for record keeping.	Compliant (>90% compliance)		5
12.2	The entire site must be monitored for any concrete spillages, all spillages must be disposed of at a registered General Waste Landfill site. No concrete spillages/remains may be spoiled on site.	Compliant (>90% compliance)		5
13	Dust/Mud			
13.1	Potable water cannot (as far as possible) be used as a means of dust suppression, alternative measures must be sourced. The use of 'grey' water must be investigated as an alternative. The contractor will be responsible to source this water and obtain the required approvals.	Compliant (>90% compliance)		4
13.2	Dust production as well as sand on the road surface must be monitored and regularly controlled.	Compliant (>90% compliance)	Please ensure that the intersections are swept daily if necessary	5
14	Workshop equipment, maintenance and storage			
14.1	Workshop areas shall be monitored for oil and fuel spills and such spills shall be cleaned and remediate to the satisfaction of the EO or RE. Cleaning and remediation must be done with products that are in line with best environmental practice i.e. Sunsob	Compliant (>90% compliance)		4
14.2	All maintenance and washing of vehicles and equipment shall be done off-site as far as possible. During servicing of vehicles or equipment, a suitable drip tray shall be used to prevent spills onto the soil.	Compliant (>90% compliance)		5
15	Fires			
15.1	Absolutely no burning of waste is permitted.	Best practice / Full compliance		5
15.2	Fires will only be allowed in facilities especially constructed for this purpose within fenced Contractor's camps. Wood and/or charcoal are the only fuels permitted to be used for fires. The contractor must provide sufficient wood (fuel) for this purpose.	Best practice / Full compliance		5
16	Flora			
16.1	The contractor must rehabilitate the construction camp and any other disturbed areas once construction activities have terminated. Compacted areas will be ripped and mulched in order to ensure recovery of the natural vegetation cover.	N/A for this audit		N/A
16.2	The bulbs in the sensitive area may not be removed and must be rehabilitated post construction.	N/A for this audit		N/A
Total Score Achieved During Audit				123
Total Possible Score				150
Percentage Achieved				82%