



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.5/003	0
Authorisation Date	22-Nov-12	
Review Date	01-Nov-15	

NO	ENVIRONMENTAL ASPECTS	CONFORMANCE/CONFORMANCE/COMPLIANCE	CORRECTIVE ACTION	CONDITION / CLAUSE	% RATINGS
Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Awareness					
Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Awareness					
1.	Has EA_EMP been communicated to an agent, sub-contractor, employee or any person rendering a service to the holder of the authorisation? This includes the Eskom SHEQ Policy and must be displayed.	Y. Westland did training on Control ZOS. Discuss Env. Procedures & Safety, SHEQ policy displayed.			1
Planning - Environmental Aspects					
Working Areas					
1.	Have construction activities remained within the designated working areas?	Y			1
2.	Inform the contractor about the no go areas/work restrictions i.e. sensitive vegetation/species and watercourses etc.				1
3.	Is the housekeeping done neatly i.e. stockpiling of materials & equipment's etc.	Y			1
4.	Are vehicles parked in their demarcated parking areas?	Y			1
5.	Are working areas well defined with a	Y. Temporary fence			1

 CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST 11 - 22kV and 45m for 132kV		Template Identifier 240-43921898 3 Document Identifier WFMILD - 0 Authorisation Date 4.5.5/003 22-Nov-12 Review Date 01-Nov-15
<p>fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV</p>		
<p>Property Access and Camp Establishment</p>		
<p>Was permission obtained from the property owners before construction commence?</p>		
<p>Do the property owners have unrestricted access to their property?</p>		
<p>Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable</p>		
<p>Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners</p>		
<p>Vegetation Management</p>		
<p>Are applicable permits available for indigenous vegetation clearance, cutting, disturbing, damaging or trimming of protected/endangered trees and monumental trees as per</p>		

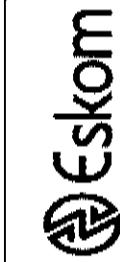


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applicable SAHRA and City Bylaws acts?				
Is the servitude or working area cleared of alien vegetation as per 32-247 Standard for Bush Clearance and maintenance within overhead Powerline servitude procedure i.e. firebreak				
Have all bush clearing and herbicide methods been undertaken under the supervision of a registered Pest Control Officer (PCO) i.e. produce valid letter from DAFF	No herbicides used.			
Clearance of vegetation in Critical Biodiversity Areas (CBA) must be done with an approved method statement by the ECO and or specialist recommendation as per EA i.e. site, area, height and timing	N/A			
Spillages				
Is there a stock of adequate oil spill remediation kit i.e. oil spill kit	Absorbents & bags obtain broom & shovel.			
14.				

Ordered.
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Have any spill/leak occurred on site i.e. oil, chemical, diesel, paint, sewer and waste water. Are the spills/leaks visible from construction site	N.				
Have the spills been managed according to Western Cape Operating Unit Oil Spill Management Instruction reference no. 240-79588150.	N/A				
Natural Heritage Resources					
Were there any tribal graves, archaeological and paleontological sites identified before or during the construction activities?	N.				
If yes, was construction stopped and the ECO contacted immediately?	N/A				
Was the Heritage Resource Agency or a Heritage Specialist contacted immediately?	N/A				
Portable Toilet/Sanitation					
Are there sufficient portable toilets i.e. 1:8 - 10 people and within walking distance	Three				
Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	Swartland toilets cleared 24/12/14				
	Obtain slips.				

Page
31/02/201531/12/2014 &
01/01/2015 &
15/01/2015.
Drawing slips.

7 4



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Document Identifier	WFM/LD - 4.5.5/03	0
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	functional at all times. Services receipts available		
22.	Sanitation and ablution facilities should not result in an impact on the environment? Sewage spillage etc.	N	
23.	Integrated Waste Management		
	Is there an integrated waste management system in place i.e. intervals for waste disposal, bins labelled accordingly, proper waste storage and tightly contained, waste separation and recycling etc.	Two bins with lids. Waste removed when bins are full enough for disposal. Recycled @ Malmesbury dump.	Label hazards waste bin. Date 3/02/2015
24	Are there sufficient waste bins on site?	Two. It general & hazardous.	1
25.	Was litter noted during site inspection?	N	1
26.	Waste Manifest, Safe disposal certificate from the landfill site and Letter of agreement from the Municipality to comply with Waste General Notice (GN) No. 435 of 2011, Annexure 1 & 2. All other provisions of NEM:WA to be complied with if	Waste register with municipal receipt numbers. Sewage slips to be obtained.	1 Date 3/02/2015



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		Template Identifier	240-43921898	3
		Document Identifier	WFM/LD - 45.5/003	0
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		Review Date	01-Nov-15	

applicable.	Shutter oil	Place cement, two stroke shutter oil NSOS or file & discuss		
Are the hazardous and non-hazardous products (paints, paste, chemicals etc.) labelled and have Material Safety Data Sheet (MSDS)?	Die, diesel, cement Petrol			
Additional Environmental Aspects				
28. Are there trained fire fighter and adequate fire-fighting equipment in appropriate places i.e. valid fire extinguisher	Yes. Gerdido Lagoon is fire fighter.			
29. Are there effective dust control (if necessary) measures in place.	Yes. Dust suppression with H2O.			
30. Are there noise control (if necessary) measures in place.	N/A. Generator under 85 dB level.			
31. Are there any erosion control (if necessary) measures in place?	Not on issue @ present.			
32. Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary)	Y. Separation.			
33. Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian	N. No H2O resources within land close proximity.			1

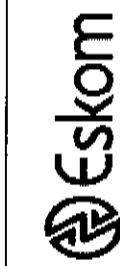
Cement &
shutter oil
closed
slope 2015
No two
stroke on
site.



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Implementation and Operation - Resources, Roles, Responsibility and Authority		vegetation?
Have environmental Roles and Responsibilities been assigned to relevant personnel? One (1) person to be appointed per team?	34.	Y. Westland Civils appointed to one Councillor on 21/10/2014.
Has the Environmental Emergency Preparedness and Response (EPPR) procedure (WPC020) being communicated to everyone on site?	35.	Y. During Env training.
Have the non-conformance report (NCR), Incidents and any other deviations being communicated to the project team?	36.	Yes. Audit report sent to Adenca. Set 21/11/2014 sent to Adenca.
Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register.	37.	Y. Daily during exist assessments.
Have the relevant aspects of the Eskom procedures and instruction been communicated?	38.	Y. During Env training.
Documentation - Control of Documents	39.	Y. See attached.
Are there Eskom Procedures on file		



Eskom	
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such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.?	
Environmental Emergency Preparedness and Response procedure (EPR) Are the emergency numbers available and up-to-date to all construction personnel?	
40.	Y <i>For Site office displayed & outside.</i>
41.	Y. Westland Civils EPR.
42.	Has there been any deviation from the requirements of EA-EMP, Permit, License, RoD and any other conditions or agreement? If any deviations, have they been reported to Environmental Officer/Clerk of Works/Project Coordinator/Site Manager within 24 Hours e.g. oil & diesel spillages etc.
43.	N <i>N/A</i>
44.	Have the action plans been developed <i>Develop action</i>



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Template Identifier	240-45921898	3
Document Identifier	WFMILD - 4.5.5603	0
Authorisation Date	22-Nov-12	
Review Date	01-Nov-15	

and incidents addressed adequately? Shall not exceed more than 24 Hours depending on the incident or action?	Plan.	Develop action plan.
Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable	N.	
Control of Records		
Does the site have Environmental File with EA_EMP and Training records, Incidents Flash Reports, Permits, Licences, RoD, Waste Manifest, Letter of consent, NCR, Inventory of Incidents, Complaints Register, Action Plans and Audit Reports? To be produced when required at all times.	✓ Procedures Audits, EA, EMP	File sewage & general waste receipts. File Ecodudit reports. File outstanding Eskom documentation.
Internal Audits		
Has the contractor performed a self-audit and addressed all deviations? Atleast one or more in two weeks?	Weekly audits 16/11/2013, 11/12/2014 21/11/2014, 14/11/2014	1

Monthly 28/11/2014
11/12/2014, 14/11/2014

3

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			01-Nov-15

PROJECT DETAILS			
Name of the Project : Powerline or Substation	Vyeweli SS	Name of the Auditor	M. Hendrikse
Name of the Construction Representative	Hansie Coroller	Date	21/11/2015
Signature		Signature	

COMPLIANCE STATUS

Number of Compliance	
Number of Non-Conformance	
Compliance Rating:	X
Risk of non-compliant	
Non-Compliant	
Percentage Compliance Score	100%

* Develop action plan for "corrective action" column.

Checklist of Documents Requirements for Construction Site

1 Environmental Authorisation			
2 Environmental Management Plan			✓
3 Permit/Licence/RoD e.g. Water or vegetation permits			
4 Construction Environmental Audit Checklist			
5 Agreement letters:			
waste			
sewage			
drinking water	From none.		✓
construction water			
laydown areas			
parking areas			
Camp site			
accommodation			
land owner			
Environmental, Occupational Health and Safety Incident Management Procedure - 32 - 95	March 2014	✓	
VEGETATION MANAGEMENT AND MAINTENANCE WITHIN ESKOM LAND SERVITUDES AND RIGHTS OF WAY - 32 - 247	Mar 2014	✓	
Access to Farms (including strategy on dealing with Game Farms) - 34 - 190	March 2010	✓	
Safety, Health, Environment and Quality (SHEQ) Policy - 32 - 727	Aug 2014	✓	
Environmental Emergency Preparedness and Response - 10 WRC2020	Nov 2016	✓	
Land and biodiversity standard - 32 - 815	Aug 2014	✓	
Land and Biodiversity Policy - 32 - 736	Aug 2014	✓	
Management of Protected and Indigenous Vegetation - 13 WTR003	NoV 16	✓	
Eskom Dx Western Cape Operating Unit - Waste Management Plan (WMP) - 2013 Rev 3		✓	
Eskom Waste Management Standard - 32 - 245	Dec 15	✓	
Water Management Policy - 32 - 1163	Nov 16	✓	
Environmental Complaints/Query Register - WPC-008	Nov 17	✓	
Oil Spill Management Instruction - 240-79588150	Nov 17	✓	
Project Audit and EMP Training Schedule		✓	
Transportation of hazardous Goods 240-79588145	Nov 14.	✓	
Environmental Management Systems for distribution WCOU In Accordance with ISO14001 - 240-77731322	May 17	✓	
Environmental training, awareness and competence procedure in accordance with ISO14001 environmental Management Systems requirements - 240-83895653	Aug 17	✓	

To dispose @ Semenic dump on 21/10/2015
To get invoice from munie.
↳ outstanding. Waiting for munie 3/12/2015

Munie 3/12/2015

→ made to send up until Jun 2015.
Done 27/10/2015

NCR procedure

made to send on file 3/12/2015.

Diesel bauzaa. \rightarrow also 2 moving between Kielstein,

Groß & Malteser.

Lack transport permit
Lack transfer permit
Groß & Malteser.

regulation

Warenverkehrsweg
charge per truck
Lack transfer