



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

Template Identifier	240-43921898	3
Document Identifier	WFM/ID - 4.5.5003	0
Authorisation Date	22-Nov-12	
Review Date	01-Nov-15	

NO	ENVIRONMENTAL ASPECTS	CONFORMANCE/NON-CONFORMANCE/COMMENTS	CORRECTIVE ACTION	CONDITION/ CLAUSE	% RATING
<b>Environmental Policy</b>					
<b>Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Awareness</b>					
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. <i>Sheq policy displayed &amp; on file.</i>			1
<b>Planning - Environmental Aspects</b>					
<b>Working Areas</b>					
	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.				
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			1



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	fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV			
<b>Property Access and Camp Establishment</b>				
6.	Was permission obtained from the property owners before construction commence?	Y.	Yes	1
7.	Do the property owners have unrestricted access to their property?	Y.	Yes	1
8.	Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable	Yes	Yes	1
9.	Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners	To be assessed after stringing.	No issue @ present	1
<b>Vegetation Management</b>				
10.	Are applicable permits available for indigenous vegetation clearance, cutting, disturbing, damaging or trimming of protected/endangered trees and monumental trees as per	N/A.		1



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	applicable SAHRA and City Bylaws acts?			
11.	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	In process between G1 & G2, 3 & 4.		1
12.	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	To be confirmed. Yes. Piko has PCO license		1
13.	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		N/A
<b>Spillages</b>				
14.	Is there a stock of adequate oil spill remediation kit i.e. oil spill kit	Y		1



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15.	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		/
16.	Have the spills been managed according to Western Cape Operating Unit Oil Spill Management Instruction reference no. 240-79588150.	N/A		N/A
<b>Natural Heritage Resources</b>				
17.	Were there any tribal graves, archaeological and paleontological sites identified before or during the construction activities?	N		/
18.	If yes, was construction stopped and the ECO contacted immediately?	N/A		N/A
19.	Was the Heritage Resource Agency or a Heritage Specialist contacted immediately?	N/A		N/A
<b>Portable Toilet/Sanitation</b>				
20.	Are there sufficient portable toilets i.e. 1:8 - 10 people and within walking distance	Y		/
21.	Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	Y	Send service slips - for weeks	

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	functional at all times. Services receipts available	of 16 & 23 mach 2015.			1
22.	Sanitation and ablution facilities should not result in an impact on the environment? Sewage spillage etc.	N.			1
<b>Integrated Waste Management</b>					
	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.	Y.			1
24	Are there sufficient waste bins on site?	Y.			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	Y slips on file			1



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applicable.			
27. Are the hazardous and non-hazardous products (paints, paste, chemicals etc.) labelled and have Material Safety Data Sheet (MSDS)?	Y. In flammable cabinet		
<b>Additional Environmental Aspects</b>			
28. Are there trained fire fighter and adequate fire-fighting equipment in appropriate places i.e. valid fire extinguisher	Y.		
29. Are there effective dust control (if necessary) measures in place.	Not issue @ this stage.		
30. Are there noise control (if necessary) measures in place.	No complaints received		
31. Are there any erosion control (if necessary) measures in place?	<del>Gradients</del> No issues.		
32. Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary)	All backfilled.		
33. Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian	N.		



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	vegetation?			
<b>Implementation and Operation - Resources, Roles, Responsibility and Authority</b>				
	Have environmental Roles and Responsibilities been assigned to relevant personnel? One (1) person to be appointed per team?	Y		1
<b>Communication</b>				
35.	Has the Environmental Emergency Preparedness and Response (EEMR) procedure (WPC020) being communicated to everyone on site?	Y. During EMP training.		1
36.	Have the non-conformance report (NCR), Incidents and any other deviations being communicated to the project team?	N/A		N/A
37.	Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register.	Y. 12/3/2015: Report enviro incidents. 16/3/2015: enviro pollution 12/3/2015: Enviro risks		1
38.	Have the relevant aspects of the Eskom procedures and instruction been communicated?	Y. During EMP training.		1
<b>Documentation - Control of Documents</b>				
39.	Are there Eskom Procedures on file	Y		1

20/3/2015: Spoke  
15/3/2015: mSDS  
11/3/2015: Hygiene

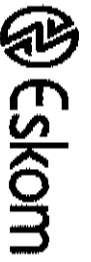


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	such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.?			
<b>Environmental Emergency Preparedness and Response procedure (EPR)</b>				
40.	Are the emergency numbers available and up-to-date to all construction personnel?	Y.		1
41.	Is there an Environmental Emergency preparedness Procedure to deal with environment-related incidents (e.g. fires, oil spillages, snakes bites, bee stings etc.? Eskom EPR procedure to be available and displayed on site.	Y		1
<b>Checking - Non Conformity and Corrective Action Plan</b>				
42.	Has there been any deviation from the requirements of EA-EMP, Permit, License, RoD and any other conditions or agreement?	N.		N.
43.	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.	N/A		N/A
44.	Have the action plans been developed	N/A		N/A





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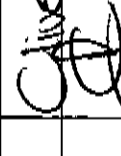

	and incidents addressed adequately? Shall not exceed more than 24 Hours depending on the incident or action?			
45.	Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable	N/A		N/A
<b>Control of Records</b>				
46.	Does the site have Environmental 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.	N		1
<b>Internal Audits</b>				
47.	Has the contractor performed a self-audit and addressed all deviations? Atleast one or more in two weeks?	N	12/3/2015 19/3/2015 20/3/2015 24/3/2015	1



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**PROJECT DETAILS**

Name of the Project : Powerline or Substation	Macaraburg-v-jewel	Name of the Auditor	M. Hendrikse
Name of the Construction Representative	Line: Roshan	Date	25/3/2015
Signature		Signature	

**COMPLIANCE STATUS**

Number of Compliance	147
Number of Non-Conformance	0
Compliance Rating:	X
Risk of non-compliant	
Non-Compliant	
Percentage Compliance Score	100%

Checked str: 56  
 57  
 55  
 54  
 53  
 52  
 51