

Office audit @ camp site.



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

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

NO	ENVIRONMENTAL ASPECTS	CONFORMANCE/ NON-COMPLIANCE/ COMMENTS	CORRECTIVE ACTION	CONDITION/ CLAUSE	% RATING
<b>Environmental Policy</b>					
Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Awareness					
	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. SHEQ policy displayed.			1
<b>Planning - Environmental Aspects Working Areas</b>					
	Have construction activities remained within the designated working areas?	Did not go to site.			N/A
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.			
4.	Are vehicles parked in their demarcated parking areas?	Y.			
5.	Are working areas well defined with a	Did not go to site as			N/A



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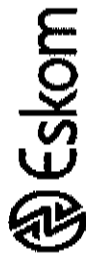
	fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV	no activities on site		
<b>Property Access and Camp Establishment</b>				
	Was permission obtained from the property owners before construction commence?	Y. Five kind owner permission letters. Eskom servitude.		/
	Do the property owners have unrestricted access to their property?	Y.		/
	Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable	Y & land owners.		/
	Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners	No issues. To be assessed closer to end of construction.		/
<b>Vegetation Management</b>				
	Are applicable permits available for indigenous vegetation clearance, cutting, disturbing, damaging or trimming of protected/endangered trees and monumental trees as per	N/A.		N/A.



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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	y.		1
11.	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	y. Pico did bush-clearing between str. 3 & 4.		1
12.	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	No CBA.		N/A.
13.	<b>Spillages</b>			
14.	Is there a stock of adequate oil spill remediation kit i.e. oil spill kit	could not verify on trucks, but two wheel bins @ camp.		N/A.



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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.			1
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			1
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	4. Four			1
21.	Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	19/3/2015, 12/3/2015, 11/4/2015, 26/3/2015			1



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	functional at all times. Services receipts available			
	Sanitation and abtution facilities should not result in an impact on the environment? Sewage spillage etc.	N.		
<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.		
24	Are there sufficient waste bins on site?	Y.		
25.	Was litter noted during site inspection?	N.		
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	recycled waste on 2-11/31/2015		



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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 @ site comp. MSDS register.		
<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.	No site activities today.		N/A
30. Are there noise control (if necessary) measures in place.	"		N/A
31. Are there any erosion control (if necessary) measures in place?	No erosion concern		
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>			
34. Have environmental Roles and Responsibilities been assigned to relevant personnel? One (1) person to be appointed per team?	Y. David & Patrick.		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?	NIP.		NIP
37. Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register.	Y. 31/12/2015: Top Soil & storage & use of oils		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. See register		1



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	such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.?	attached.			
<b>Environmental Emergency Preparedness and Response procedure (EPR)</b>					
40.	Are the emergency numbers available and up-to-date to all construction personnel?	y.			f
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			/
<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.			/
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?			
	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.	Y	Update incident register in #170A file.	1
<b>Internal Audits</b>				
47.	Has the contractor performed a self-audit and addressed all deviations? Atleast one or more in two weeks?	Y	31/3/2015 4/3/2015	1



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**PROJECT DETAILS**

Name of the Project : Powerline or Substation	Moorreesburg-Ugielei Line: Koshon	Name of the Auditor	M. Hendriks
Name of the Construction Representative		Date	7/11/2015
Signature		Signature	<i>[Signature]</i>

**COMPLIANCE STATUS**

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

Moorreesburg-Vykelei Line: Roskon 7/4/2015

Checklist of Documents Requirements for Construction Site

1	Environmental Authorisation		✓	29/11/2010
2	Environmental Management Plan		✓	09/2010
3	Permit/License/RoD e.g. Water or vegetation permits		✓	
4	Construction Environmental Audit Checklist			
5	Agreement letters: waste sewage drinking water construction water laydown areas parking areas camp site accommodation land owner		✓	
6	Environmental, Occupational Health and Safety Incident Management Procedure - 32 - 95	March '14	✓	
7	VEGETATION MANAGEMENT AND MAINTENANCE WITHIN ESKOM LAND SERVITUDES AND RIGHTS OF WAY - 32 - 247	Jan '14	✓	
8	Access to Farms (including strategy on dealing with Game Farms) - 34 - 190	March '10	✓	
9	Safety, Health, Environment and Quality (SHEQ) Policy - 32 - 727	Aug '16	✓	
10	Environmental Emergency Preparedness and Response - WPC020	Nov '16	✓	
11	Land and biodiversity standard - 32 - 815	Nov '14	✓	
12	Land and Biodiversity Policy - 32 - 736	Aug '14	✓	
13	Management of Protected and Indigenous Vegetation - WTB003	Nov '16	✓	
14	Eskom Dx Western Cape Operating Unit - Waste Management Plan (WMP) - 2013 Rev 3		✓	
15	Eskom Waste Management Standard - 32 - 245	24/15	✓	
16	Water Management Policy - 32 - 1163	May '16	✓	
17	Environmental Complaints/Query Register - WPC-008		✓	
18	Oil Spill Management Instruction - 240-79588150	Nov '17	✓	
19	Project Audit and EMP Training Schedule		✓	
20	Transportation of hazardous goods 240-79588146	Mar '14	✓	
21	Environmental Management Systems for distribution WCCU in Accordance with ISO14001 - 240-7731322	May '17	✓	
22	Environmental training, awareness and competence procedure in Accordance with ISO14001 environmental Management Systems requirements - 240-83895653	Aug '17	✓	

GFA, waste license: Zingari waste Recovery, WWTW licenses, Vissershot waste license, mining permits, H2O method statement.

TIPTRON on 27/11/2014  
G. Conspens on 28/01/2015  
Soil: G. Conspens on 01/2/2015

Five landowners

To be updated.  
Appointments sent

