



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

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Authorisation Date	22-Nov-12	
Review Date	01-Nov-15	

ENVIRONMENTAL ASPECTS

Environmental Policy

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. EMP training done on 12/09/2014								
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Planning - Environmental Aspects

Working Areas

Have construction activities remained within the designated working areas?	Y.								
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	Y								



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	fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV			
Property Access and Camp Establishment				
6.	Was permission obtained from the property owners before construction commence?	y. Peter Steyn & Gert Claassen agreement letter.		
7.	Do the property owners have unrestricted access to their property?	y.		
8.	Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable	y & land owner's		
9.	Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners	To be assessed post construction.		
Vegetation Management				
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.		



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<p>applicable SAHRA and City Bylaws acts?</p>				
<p>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</p>	<p>Primarily on agricultural lands. Bushclearing not part of new scope.</p>			/
<p>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</p>	<p>No herbicide usage</p>			/
<p>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</p>	<p>N/A</p>			/
<p>Spillages</p>				
<p>14. Is there a stock of adequate oil spill remediation kit i.e. oil spill kit</p>	<p>4. mobile kits</p>			/



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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.	y. Drip trays to be used for secondary containment.		
Natural Heritage Resources				
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		
19.	Was the Heritage Resource Agency or a Heritage Specialist contacted immediately?	N/A		
Portable Toilet/Sanitation				
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 &	Could not verify.		



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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		1
Integrated Waste Management				
23.	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. use plastic bags.		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	Could not verify.		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)?	None on site.		/
Additional Environmental Aspects				
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		/
30.	Are there noise control (if necessary) measures in place.	y. Under 85 dB		/
31.	Are there any erosion control (if necessary) measures in place?	Not issue		/
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. Compliance to GA.		/



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vegetation?				
Implementation and Operation - Resources, Roles, Responsibility and Authority				
34.	Have environmental Roles and Responsibilities been assigned to relevant personnel? One (1) person to be appointed per team?	Y.	Letters to be send to ZCO.	1
Communication				
35.	Has the Environmental Emergency Preparedness and Response (EEMR) procedure (WPC020) being communicated to everyone on site?	Y. During site awareness by Sydney Case		1
36.	Have the non-conformance report (NCR), incidents and any other deviations being communicated to the project team?	Y		1
37.	Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register.	Could not verify.		1
38.	Have the relevant aspects of the Eskom procedures and instruction been communicated?	Y. See 35. Also part of EMD training.		1
Documentation - Control of Documents				
39.	Are there Eskom Procedures on file	Y.		1

Closed
21/2/2015



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	such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.?			
	Environmental Emergency Preparedness and Response procedure (EPR)			
40.	Are the emergency numbers available and up-to-date to all construction personnel?	y.		
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.	Adhere to Eskom EEP & procedures		
Checking - Non Conformity and Corrective Action Plan				
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		
44.	Have the action plans been developed	N.	To be developed	



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	and incidents addressed adequately? Shall not exceed more than 24 Hours depending on the incident or action?	For this audit report.		
45.	Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable	N/A		1
Control of Records				
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.	Could not confirm		1
Internal Audits				
47.	Has the contractor performed a self-audit and addressed all deviations? At least one or more in two weeks?	Could not confirm	Notes to send self-audits conducted.	1



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PROJECT DETAILS

Name of the Project : Powerline or Substation	Marredburg-Veggie 1 Line M5W 115-58	Name of the Auditor	m. Hendriks
Name of the Construction Representative	Anton West, Farie Coetzee	Date	23/11/2015
Signature		Signature	<i>[Signature]</i>

COMPLIANCE STATUS

Number of Compliance	47
Number of Non-Conformance	0
Compliance Rating:	X
Compliant	
Risk of non-compliant	
Non-Compliant	
Percentage Compliance Score	100%