



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921998	3
Document Identifier	WFM/LD - 4.5.5/003	0
Authorisation Date	22-Nov-12	
Review Date	01-Nov-15	

NO	ENVIRONMENTAL ASPECTS	CONFORMANCE/ NON CONFORMANCE/ COMMENTS	CORRECTIVE ACTION	CONDITION/ CLAUSE	Y. RATINGS
Environmental Policy					
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. New employees trained on 23/2/2015, 9/10/13, 17 & 18 Feb 2015. 20, 23, 22, 26/10/11 2015. Policy on notice board			1
Planning - Environmental Aspects					
Working Areas					
	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. Reversed.			1
5.	Are working areas well defined with a	Y. Temporary fence			1



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	fence or danger tape, in case of powerline, the servitude width 18m for 11 – 22kV and 45m for 132kV	around SS site		
Property Access and Camp Establishment				
6.	Was permission obtained from the property owners before construction commence?	y. Eskom property		
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	Yes.		
9.	Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners	To be assessed closer to end of 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		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. No aliens.		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	No herbicides used.		N/A
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
Spillages				
14.	Is there a stock of adequate oil spill remediation kit i.e. oil spill kit	4 Absorbent pads, broom.	Need bags, peyzarto & shovel.	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.				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.
Natural Heritage Resources						
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
Portable Toilet/Sanitation						
20.	Are there sufficient portable toilets i.e. 1:8 - 10 people and within walking distance	Three toilets. from Swartland toilets.				1
21.	Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	4. 19/02/2015				1



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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. Bins labelled & disposed when full.		1
24	Are there sufficient waste bins on site?	Y. Two		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. General waste disposed on 20/02/2015 @ Malmedary dump. Slips 32036. Sewage collection slips on file.		1

5.



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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)?	Haz. substance register. Labelled.		
Additional Environmental Aspects				
28.	Are there trained fire fighter and adequate fire-fighting equipment in appropriate places i.e. valid fire extinguisher	Y. Geraldo		
29.	Are there effective dust control (if necessary) measures in place.	Do dust suppression when 'a' problem.		
30.	Are there noise control (if necessary) measures in place.	No issues/complaints.		
31.	Are there any erosion control (if necessary) measures in place?	No erosion issues.		
32.	Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary)	Y. Separated.		
33.	Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian	N.		



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	vegetation?				
Implementation and Operation - Resources, Roles, Responsibility and Authority					
	Have environmental Roles and Responsibilities been assigned to relevant personnel? One (1) person to be appointed per team?	y. Hansie appointed			1
Communication					
35.	Has the Environmental Emergency Preparedness and Response (EEMR) procedure (WPC020) being communicated to everyone on site?	y. Doing EMP training.			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.	Enviro included in daily risk assessment & toolbox talk.			1
38.	Have the relevant aspects of the Eskom procedures and instruction been communicated?	y. Doing EMP training.			1
Documentation - Control of Documents					
39.	Are there Eskom Procedures on file	y.			1



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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.	y. on notice board.		
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		N/A.
44.	Have the action plans been developed	to be developed.		



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<p>and incidents addressed adequately? Shall not exceed more than 24 Hours depending on the incident or action?</p>			
<p>45. Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable</p>	N/A		N/A
<p>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.</p>	y.	Once invoice received for construction water from subcontractor - place on file.	1
<p>Internal Audits</p>			
<p>47. Has the contractor performed a self-audit and addressed all deviations? At least one or more in two weeks?</p>	y, 2012/2015, 13/2/2015 & 6/02/2015.		1



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PROJECT DETAILS

Name of the Project : Powerline or Substation	Vreukel SS		Name of the Auditor	Madie Hendriks
Name of the Construction Representative	Hansie Gordissen		Date	24/02/2015
Signature	<i>[Signature]</i>		Signature	<i>[Signature]</i>

COMPLIANCE STATUS

Number of Compliance	39
Number of Non-Conformance	0
Compliance Rating:	X
Risk of non-compliant	
Non-Compliant	
Percentage Compliance Score	100 %