



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.51003	0
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. 12/09/2014, 11/02/2015, 28/10/2014. SHEQ policy displayed on notice board.		1
----	---	---	--	---

Planning - Environmental Aspects

Working Areas

2.	Have construction activities remained within the designated working areas? Inform the contractor about the no go areas/work restrictions i.e. sensitive vegetation/species and watercourses etc.	Y		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. Excavations are		1



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

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

	fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV	barricaded.		
<b>Property Access and Camp Establishment</b>				
6.	Was permission obtained from the property owners before construction commence?	M. Peter Steyn & Gert Klaassen before Dec 2014.		
7.	Do the property owners have unrestricted access to their property?			
8.	Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable	M & land owner.		
9.	Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners	To be assessed towards end of construction.		
<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	Not necessary.		N/A



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

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

	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	N. New not responsible for bush clearing.		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	N/A		N/A
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



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

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

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	4. Excavator dripping hydraulic oil onto ground. could have been prevented.	0
16.	Have the spills been managed according to Western Cape Operating Unit Oil Spill Management Instruction reference no. 240-79588150.	Drip tray placed underneath excavator to contain oil.  mew to provide feedback on clean-up methods & waste disposal.	1
<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	Within driving distance.	1
21.	Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	4. Ecorobo. Last slip vlozizas  Ask supplier to send statement with all serviced dates.	1

# 139238 4/5



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	

	functional at all times. Services receipts available			
22.	Sanitation and ablution facilities should not result in an impact on the environment? Sewage spillage etc.	No		1
<b>Integrated Waste Management</b>				
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		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	Disposed general waste @ moorosiweg TONK station on 28/01/2015 without slip # 1962/2015 with slip # 60606. Sewage collection slips.		1



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

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

applicable.			
27. Are the hazardous and non-hazardous products (paints, paste, chemicals etc.) labelled and have Material Safety Data Sheet (MSDS)?	MSDS LAG gas, petrol, hand cleaner, chain saw oil. Labelled.		
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 an issue		
30. Are there noise control (if necessary) measures in place.	Not issue. Follow OHS act.		
31. Are there any erosion control (if necessary) measures in place?	No erosion currently. Are at risk between 74 & 79.		
32. Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary)	Backfilled.		
33. Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian	N. Compliance with GFA.		



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	

	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. Appointment letters for Morris ngweba & Anton West on file		1
Communication				
35.	Has the Environmental Emergency Preparedness and Response (EEMPR) procedure (WPC020) being communicated to everyone on site?	Y.		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.	EnviNO is part of daily toolbox talk & risk assessment. Tree cutting case study discussed in reports.		1
38.	Have the relevant aspects of the Eskom procedures and instruction been communicated?	Y. During Emp training & on 15/09/14 by Sydney Corse.		1
Documentation - Control of Documents				
39.	Are there Eskom Procedures on file	Y. See attached		1

AK



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.51003	0
Authorisation Date	22-Nov-12	
Review Date	01-Nov-15	

	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?	M.		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.	Follow Eskom EEP.		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?	Deviation from WCCU oil spill management instruction 210-19586150	NCR to be issued.	0
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.	ECO discovered non-conformance during audit.		N/A.
44.	Have the action plans been developed	M.		1



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	3
Document Identifier	WF/M/LD - 4.5/003	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?			
45.	Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable	NCR to be issued to NEM for not preventing oil spills on gravel base of drip trays.		1
<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.	place Eco audits thus far done for project on file.	1
<b>Internal Audits</b>				
47.	Has the contractor performed a self-audit and addressed all deviations? <u>At least one or more in two weeks?</u>	y. 16/10/2014, 4/11/2014, 3/12/2014, 13/2/2015.	Note: audit @ least once every two weeks. Do action plan for all findings/ deviations.	1

3



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

240- 43921898	3
Template Identifier	
Document Identifier	WFM/ID - 0 4.S.5/003
Authorisation Date	22-Nov-12
Review Date	01-Nov-15

**PROJECT DETAILS**

Name of the Project : Powerline or Substation	maatsburg v. jelle new	Name of the Auditor	Madré Hendrikse
Name of the Construction Representative	Chris Matthee	Date	20/02/2015
Signature		Signature	

**COMPLIANCE STATUS**

Number of Compliance	38
Number of Non-Conformance	2
Compliance Rating:	
Compliant	
Risk of non-compliant	X
Non-Compliant	
Percentage Compliance Score	95.1.