



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	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	% 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. Gordon: 29/6/2015 & 1/7/2015 & 6/7/2015 Eskom: 1/7/2015 Cpt. P. Buer: 17/6/2015 Mphahla: 20/6/2015 & 25/6/2015			1
<b>Planning - Environmental Aspects</b>					
<b>Working Areas</b>					
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. Pallisade &			1



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 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	temporary fence.			
<b>Property Access and Camp Establishment</b>					
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	Y.			
9.	Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners	No need.			
<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. No indigenous vegetation.			N/A



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 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	Y.			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. No herbicide application.			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. No CBA			N/A
<b>Spillages</b>					
14.	Is there a stock of adequate oil spill remediation kit i.e. oil spill kit	Y. Gardien also has mobile kit.			1



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.5/003	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	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	Y. Three for Westland & one for Gordian.			1
21.	Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	Y. Westland: Swartland toilets - 11/6/2015 19/6/2015, 25/6/2015 21/7/2015, 29/15/2015 Gordian: Swartland toilets -			1



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.5/003	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 impact.			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. Need to be disposed off.			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. 10/6/2015: 62832 170 kg. 3/7/2015: 62833 100 kg.			1



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.5/003	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)?	Y. All MSDS' on file.			1
<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. Geraldo - westland Jonathan - Adina - Gordian.			1
29.	Are there effective dust control (if necessary) measures in place.	No issues			N/A
30.	Are there noise control (if necessary) measures in place.	No issues			N/A
31.	Are there any erosion control (if necessary) measures in place?	No erosion			N/A
32.	Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary)	Y. Separation			1
33.	Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian	No. No water resources close to site.			N/A



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

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

	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. Hansie from westland. Serafhan from Adenco Yorola from Gardian.			
<b>Communication</b>					
35.	Has the Environmental Emergency Preparedness and Response (EPR) procedure (WPC020) being communicated to everyone on site?	Y. Part of Induction & EMP training.			
36.	Have the non-conformance report (NCR), Incidents and any other deviations being communicated to the project team?	Y.			
37.	Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register.	Y. Daily - Westland. 3/week - Gardian.			
38.	Have the relevant aspects of the Eskom procedures and instruction been communicated?	Y. During EMP training.			
<b>Documentation - Control of Documents</b>					
39.	Are there Eskom Procedures on file	Y - Adenco. &			



**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

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

	such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.?	Westland.			
<b>Environmental Emergency Preparedness and Response procedure (EPR)</b>					
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 - Westland			
<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	Y.			






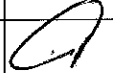

**CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST**

Template Identifier	240-43921898	3
Document Identifier	WFM/LD - 4.5.5/003	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	No. Action has open NCR.			1 (Action closed audit findings)
<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.	File may 2015 ECO audit report.		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. Weekly: 31/7/2015 26/6/2015 19/6/2015 12/6/2015 5/6/2015 monthly: 1/7/2015			1

	<b>CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST</b>	<b>Template Identifier</b>	240-43921898	3
		<b>Document Identifier</b>	WFM/LD - 4.5.5/003	0
		<b>Authorisation Date</b>	22-Nov-12	
		<b>Review Date</b>	01-Nov-15	

**PROJECT DETAILS**

<b>Name of the Project : Powerline or Substation</b>	Oyulei SS	<b>Name of the Auditor</b>	m. Hendrikse
<b>Name of the Construction Representative</b>	Hansie & Jonathan	<b>Date</b>	7/7/2015
<b>Signature</b>		<b>Signature</b>	

- \* Labelling & earthing on fencing - Adenca
- \* Fencing - Gooliam

**COMPLIANCE STATUS**

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

- \* Leveling of backfill platform westland.  
Placing cathpits.