



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST

NO	ENVIRONMENTAL ASPECTS	CONSTRUCTION DOCUMENTS	CONTRACTOR ACTION	CONDITION CLAUSE	% RATING
Environmental Policy					
Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Awareness					
1.	Has EA_EMP been communicated to any person rendering a service to the holder of the authorisation? This includes the Eskom SHEQ Policy and must be displayed.	✓	Policy displayed.	—	—
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.				
3.	Is the housekeeping done neatly i.e. stockpiling of materials & equipment's etc.	✓	—	—	—
4.	Are vehicles parked in their demarcated parking areas?	✓	—	—	—
5.	Are working areas well defined with a	✓ Excavations		—	—

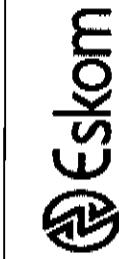
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fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV		
Property Access and Camp Establishment		
Was permission obtained from the property owners before construction commence?		—
Do the property owners have unrestricted access to their property?		—
Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable		Y & Landowners if existing roads not sufficient.
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.
Vegetation Management		
Are applicable permits available for indigenous vegetation clearance, cutting, disturbing, damaging or trimming of protected/dangerous trees and monumental trees as per		N/A



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1.	applicable SAHRA and City Bylaws acts?			
2.	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	Alien species between structure # 3 & 4 to be removed. Not Poskaon responsibility.		1
3.	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 herbicide spraying under taken.		1
4.	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.
5.	Spillages			
6.	Is there a stock of adequate oil spill remediation kit i.e. oil spill kit	Y.		1
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				

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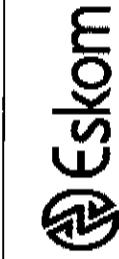
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Natural Heritage Resources				
15.	Have any spill/leak occurred on site i.e. oil, chemical, diesel, paint, sewer and waste water. Are the spills/leaks visible from construction site	N .		
16.	Have the spills been managed according to Western Cape Operating Unit Oil Spill Management Instruction reference no. 240-79588150.	N/A .		
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 . 4 .		
21.	Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll &	Y . 19 (2) 2015, 26 (2) 2015, 5 (3) 2015 .		



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functional at all times. Services receipts available		
Sanitation and ablution facilities		
22. should not result in an impact on the environment? Sewage spillage etc.		
Integrated Waste Management		
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 with lids. Recycling & waste separation taking place.	Y.
Are there sufficient waste bins on site?	Y.	Y.
Was litter noted during site inspection?	N.	Y.
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. Plastic taken to Zingeri Waste Recovery facility on 26/12/2015. Qty.	Y.



Eskom	
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applicable.				
Are the hazardous and non-hazardous products (paints, paste, chemicals etc.) labelled and have Material Safety Data Sheet (MSDS)?				
Additional Environmental Aspects				
27. Are there trained fire fighter and adequate fire-fighting equipment in appropriate places i.e. valid fire extinguisher	Y			
28. Are there effective dust control (if necessary) measures in place.				
29. Are there noise control (if necessary) measures in place.	Not on issue @ this stage.			
30. Are there any erosion control (if necessary) measures in place?	N/A. major construction finished.			
31. Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary)	Not necessary.			
32. Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian	All backfilled.			
33.	No .Conformance to GA.			



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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?
35.	Has the Environmental Emergency Preparedness and Response (EEPR) procedure (WPC020) being communicated to everyone on site?
36.	Have the non-conformance report (NCR), Incidents and any other deviations being communicated to the project team?
37.	Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register.
38.	Have the relevant aspects of the Eskom procedures and instruction been communicated?
Documentation - Control of Documents	
39.	Are there Eskom Procedures on file ✓

vegetation?

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such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.?			
Environmental Emergency Preparedness and Response procedure (EPR) Are the emergency numbers available and up-to-date to all construction personnel?	Y	Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25 Q26 Q27 Q28 Q29 Q30 Q31 Q32 Q33 Q34 Q35 Q36 Q37 Q38 Q39 Q40 Q41 Q42 Q43 Q44 Q45 Q46 Q47 Q48 Q49 Q50 Q51 Q52 Q53 Q54 Q55 Q56 Q57 Q58 Q59 Q60 Q61 Q62 Q63 Q64 Q65 Q66 Q67 Q68 Q69 Q70 Q71 Q72 Q73 Q74 Q75 Q76 Q77 Q78 Q79 Q80 Q81 Q82 Q83 Q84 Q85 Q86 Q87 Q88 Q89 Q90 Q91 Q92 Q93 Q94 Q95 Q96 Q97 Q98 Q99 Q100 Q101 Q102 Q103 Q104 Q105 Q106 Q107 Q108 Q109 Q110 Q111 Q112 Q113 Q114 Q115 Q116 Q117 Q118 Q119 Q120 Q121 Q122 Q123 Q124 Q125 Q126 Q127 Q128 Q129 Q130 Q131 Q132 Q133 Q134 Q135 Q136 Q137 Q138 Q139 Q140 Q141 Q142 Q143 Q144 Q145 Q146 Q147 Q148 Q149 Q150 Q151 Q152 Q153 Q154 Q155 Q156 Q157 Q158 Q159 Q160 Q161 Q162 Q163 Q164 Q165 Q166 Q167 Q168 Q169 Q170 Q171 Q172 Q173 Q174 Q175 Q176 Q177 Q178 Q179 Q180 Q181 Q182 Q183 Q184 Q185 Q186 Q187 Q188 Q189 Q190 Q191 Q192 Q193 Q194 Q195 Q196 Q197 Q198 Q199 Q199 Q200 Q201 Q202 Q203 Q204 Q205 Q206 Q207 Q208 Q209 Q210 Q211 Q212 Q213 Q214 Q215 Q216 Q217 Q218 Q219 Q220 Q221 Q222 Q223 Q224 Q225 Q226 Q227 Q228 Q229 Q229 Q230 Q231 Q232 Q233 Q234 Q235 Q236 Q237 Q238 Q239 Q239 Q240 Q241 Q242 Q243 Q244 Q245 Q246 Q247 Q248 Q249 Q249 Q250 Q251 Q252 Q253 Q254 Q255 Q256 Q257 Q258 Q259 Q259 Q260 Q261 Q262 Q263 Q264 Q265 Q266 Q267 Q268 Q269 Q269 Q270 Q271 Q272 Q273 Q274 Q275 Q276 Q277 Q278 Q279 Q279 Q280 Q281 Q282 Q283 Q284 Q285 Q286 Q287 Q288 Q289 Q289 Q290 Q291 Q292 Q293 Q294 Q295 Q296 Q297 Q298 Q299 Q299 Q300 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q319 Q320 Q321 Q322 Q323 Q324 Q325 Q326 Q327 Q328 Q329 Q329 Q330 Q331 Q332 Q333 Q334 Q335 Q336 Q337 Q338 Q339 Q339 Q340 Q341 Q342 Q343 Q344 Q345 Q346 Q347 Q348 Q349 Q349 Q350 Q351 Q352 Q353 Q354 Q355 Q356 Q357 Q358 Q359 Q359 Q360 Q361 Q362 Q363 Q364 Q365 Q366 Q367 Q368 Q369 Q369 Q370 Q371 Q372 Q373 Q374 Q375 Q376 Q377 Q378 Q379 Q379 Q380 Q381 Q382 Q383 Q384 Q385 Q386 Q387 Q388 Q389 Q389 Q390 Q391 Q392 Q393 Q394 Q395 Q396 Q397 Q398 Q399 Q399 Q400 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q319 Q320 Q321 Q322 Q323 Q324 Q325 Q326 Q327 Q328 Q329 Q329 Q330 Q331 Q332 Q333 Q334 Q335 Q336 Q337 Q338 Q339 Q339 Q340 Q341 Q342 Q343 Q344 Q345 Q346 Q347 Q348 Q349 Q349 Q350 Q351 Q352 Q353 Q354 Q355 Q356 Q357 Q358 Q359 Q359 Q360 Q361 Q362 Q363 Q364 Q365 Q366 Q367 Q368 Q369 Q369 Q370 Q371 Q372 Q373 Q374 Q375 Q376 Q377 Q378 Q379 Q379 Q380 Q381 Q382 Q383 Q384 Q385 Q386 Q387 Q388 Q389 Q389 Q390 Q391 Q392 Q393 Q394 Q395 Q396 Q397 Q398 Q399 Q399 Q400	Authorisation Date 22-Nov-12 Review Date 01-Nov-15
40. 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.			
41. 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	
42. Have the action plans been developed		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
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.	Y	1
Internal Audits		
Has the contractor performed a self-audit and addressed all deviations? Atleast one or more in two weeks?	47. 19/12/2015 24/12/2015 4/13/2015	1

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PROJECT DETAILS

Name of the Project : Powerline or Substation	near reesburg - Uysdale, Line: Roshcon Section	Name of the Auditor	M. Hendrikse
Name of the Construction Representative	Bonnie Joubert	Date	11/3/2015
Signature		Signature	

COMPLIANCE STATUS

Number of Compliance	157
Number of Non-Conformance	0
Compliance Rating:	Compliant X
Risk of non-compliant	
Non-Compliant	
Percentage Compliance Score	100 -/-