



ENVIRONMENTAL AUTHORISATION CHECKLIST - COMPLIANCE AND MONITORING


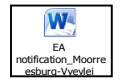


Project Name	Environmental Practitioner/Es komECO	DEAT/DEA& DP Reference #	EA issued	Conditions (according to specific EMP & EA)	EMP / EA	Comment	Conditions Implemented (Y/N)	Evidence															
Moorreesburg-Vyevlei 66kV SS and Line	Madré Hendrikse	12/12/20/1825	29 November 2010	SCOPE OF AUTHORISATION																			
				1 The preferred site alternative (i.e. site alternative 1) which proposes to construct a new 66/11kV Moorreesburg-Vyevlei line and substation which is approximately 30 km is approved.	EA		Y																
				2 Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.	EA		Accept																
				3 The holder of the authorisation shall be responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.	EA	All contractors	Accept																
				4 The activities authorised may only be carried out at the property as described above.	EA		Accept																
				<table border="1"> <thead> <tr> <th>Alternative St</th> <th>Latitude (S)</th> <th>Longitude (E)</th> </tr> </thead> <tbody> <tr> <td>Start point</td> <td>33°10'51.98"</td> <td>18°41'07.86"</td> </tr> <tr> <td>Middle point</td> <td>33°18'21.99"</td> <td>18°42'55.15"</td> </tr> <tr> <td>End point</td> <td>33°21'34.39"</td> <td>18°37'50.89"</td> </tr> <tr> <td>Substation</td> <td>33°21'34.39"</td> <td>18°37'50.89"</td> </tr> </tbody> </table>	Alternative St	Latitude (S)	Longitude (E)	Start point	33°10'51.98"	18°41'07.86"	Middle point	33°18'21.99"	18°42'55.15"	End point	33°21'34.39"	18°37'50.89"	Substation	33°21'34.39"	18°37'50.89"				
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EMP	N		Accept	5	Any changes to, or deviations from, the project description set out in this authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval not the Department may request such information as it deems necessary to evaluate the significance and Impacts of such changes or deviations and it may be necessary for the holder of the authorisation apply for further authorisation in terms of the regulations.	EA		Accept	
				6	This activity must commence within a period of five (5) years from the date of issue. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken. Commencement with one activity listed in terms of this authorisation constitutes commencement of all authorised activities.	EA	MEW team started site establishment on 15 September 2014.	Y	
				7	This authorisation does not negate Eskom's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.	EA		Accept	
				7.1	Relevant legislation that must be complied with by Eskom includes, inter alia:	EA			
					Archaeological remains, artificial features and structures older than 60 years are protected by the National Heritage Resources Act, 1999 (Act No. 25 of 1999). Should any Archaeological artefacts be exposed during excavation for the purpose of construction, construction in the vicinity of the finding must be stopped immediately. A registered Heritage Specialist must be called to the site for inspection. Under no circumstances shall any heritage material be destroyed or removed from the site and the relevant heritage resource agency must be informed about the finding. Heritage remains uncovered or disturbed during earthworks must not be disturbed further until the necessary approval has been obtained from the South African Heritage Resources Agency and/or any of their delegated provincial agencies.	EA	HWC NID RoD received. Dated 30 July 2014.	Y	 Moorreesburg-Vyevlei Project HWC NID
					All provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993).	EA		Y	
					All provisions of the National Water Act, 1998 (Act 36 of 1998).	EA	GA from DWA received on 23 September 2014	Y	 GA_Moorreesburg-Vyevlei Project_23 09 2014.pdf
					All provision of the National Forest Act, 1984 (Act No.122 of 1984)	EA	No protected trees or forests on site.	Y	
					All provision of the National Environmental Management: Biodiversity Act, 2004 (Act 10 of 2004)	EA	No protected ecosystems or plants on site.	Y	
					All provision of the National Environmental Management : Protected Areas Act, 2003 (Act 57 of 2003) and its regulations.	EA	No protected areas i.t.o NEM:PA on site	Y	
					Should fill material be required for any purposes, the use of borrow pits must comply with the provisions of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) administered by the Department of Minerals and Energy (DME).	EA	No borrow pits used. Imported soil obtained from contractors who use registered quarries.	Y	
					Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce erosion and the invasion of alien species.	EA	Alien <u>Acacia spp.</u> (Port Jackson and Rooikrans) and <u>Eucalytus spp.</u> to be cut. The rest of the vegetation is dominated by harvested wheat and agricultural fields.	Y	

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				An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate.	EA	<p>MEW: All building rubble is taken to the camp site in Moorreesburg where all general waste generated at the construction site and camp site is disposed of via the Moorreesburg Municipality every week.</p> <p>Scrap metal are returned to the Brackenfell stores for re-use and recycling.</p> <p>Empty cement bags are temporarily stored at the camp site and once there is a sufficient amount, the bags are taken to the Malmesbury Highlands disposal site which recycles the paper bags.</p> <p>Scrap wood will be given to the public if interested.</p> <p>Plastic bins are at the camp site which have lids and in good order.</p> <p>Roshcon: All general waste generated is taken to the camp site in Moorreesburg where it is disposed of in the different recycling bins.</p> <p>Once the bins are full the waste gets transported to the Vissershok Waste Diposal facility for recycling and disposal.</p> <p>Scrap metal are returned to the Roshcon offices in Killarney Gardens for re-use and recycling.</p> <p>Scrap wood will be given to the public if interested.</p>	Y		
				Any solid waste shall be disposed of at a landfill licensed in terms of section 20 (b) of the NEMWA (59 of 2008)	EA	<p>Line: MEW makes use of Moorreesburg Municipal waste collection and disposal services. The Municipality temporarily stored waste at the Moorreesburg transfer station before taking the waste to Malmesbury Highlands Waste Disposal Facility.</p> <p>Cannot find waste license for Moorreesburg transfer station used by Moorreesburg Municipality. Malmesbury Highlands landfill is registered (license number: B33/2/442/1/S/P67).</p> <p>Line: Roshcon disposes of waste at the Vissershok licensed waste disposal facility. Receipts are on file.</p> <p>Substation: Adenco and Westland Civils take their waste to Malmesbury Highlands Waste Disposal Facility after purchasing coupons from Swartland Municipality (Malmesbury).</p>	Y		
			10	APPEAL OF AUTHORISATION					

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				11 Eskom must notify every registered interested and affected party (I&AP), in writing and within 12 calendar days, of receiving notice of the department's decision to authorise the activity.	EA	I&APs notified on 8 December 2010 and 20 December 2010.	Y	 	
				12 The notification referred to above must:	EA		Y		
				12.1 specify the date on which the authorisation was issued;	EA	Yes, when received by DEA	Y		
				12.2 inform the I&AP of the appeal procedure provided for in Chapter 7 of the Environmental Impact Assessment (EIA) Regulations, 2010;	EA	Mentioned in letter	Y		
				12.3 advise the I&AP that a copy of the authorisation will be furnished on request; and	EA	EA was attached to the notification letter	Y		
				12.4 give reasons for the decision.	EA	Mentioned in letter	Y		
				MANAGEMENT OF THE ACTIVITY					
				13 The Environmental Management Programme (EMPr) submitted as part of Application for EA is hereby approved. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.	EA		Accept		
				14 Changes to the EMPr, which are environmentally defensible, shall be submitted to this Department for approval before such changes could be effected.	EA		Accept		
				15 The Department reserves the right to amend the EMPr should any impacts that were not anticipated or covered in the BAR be discovered.	EA		Accept		
				16 The provisions of the EMPr including recommendations and mitigation measures in the BAR shall be an extension of the conditions of this EA and therefore any non-compliance with them would constitute non-compliance with the EA.	EA		Accept		
				17 The recommendations and mitigation measures in the BAR dated September 2010 must be implemented and adhered to.	EA		Accept		
				18 All correspondence with regard to this application must be forwarded for attention to The Director: Environmental Impact Evaluation within DEA.	EA		Accept		
				MONITORING					
				19 Eskom must appoint a qualified ECO that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this EA are implemented and to ensure compliance with the provisions of the approved EMP.	EA	Eskom Environmental Practitioner appointed on 9 April 2014 as the ECO.	Y	 	
				The ECO shall be appointed before start of construction and the authorities must be notified of such an appointment for communication purposes.	EA		Y		
				The ECO shall keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.	EA		Y		
				The ECO shall submit quarterly environmental compliance reports, in writing, to the Department, for attention of the director: Compliance Monitoring, and copy the Applicant.	EA	First report due: end February 2015/ early March 2015	Y		
				The ECO shall remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is handed over to Eskom..	EA		Y		
				RECORDING AND REPORTING TO THE DEPARTMENT					
				20 Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.	EA		Y		
				21 The Department reserves the right to monitor and audit the development through its life cycle to ensure that it complies with conditions in the EA.	EA		Accept		

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				All compliance and monitoring correspondence must be forwarded for attention of the Director: Compliance Monitoring Directorate within the Department.	EA		Accept	
				COMMENCEMENT OF THE ACTIVITY				
				14 days written notice must be given to DEA that the activity will commence. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence.	EA	DEA was notified on 28 March 2014 of commencement of the construction phase.	Y	 B3A66B19.msg  E:\ENVIRONMENTAL MAN\STAFF\Madré Hendrikse\Projects\
				OPERATION OF THE ACTIVITY				
				14 days written notice must be given to DEA that the activity operational phase will commence.	EA	To be done.	Accept	
				SITE CLOSURE AND DECOMMISSIONING				
				Should the activity ever cease or become redundant, the applicant shall undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.	EA		Accept	
				SPECIFIC CONDITIONS				
				No exotic plants may be used for rehabilitation purposes. Only endemic indigenous plants may be utilised.	EA		Accept	
				All worker must undergo "Environmental Awareness Training" within 5 calendar days of the works starting on site. This training must include awareness in the requirements of the EA and the approved EMP.	EA	Line: EMP training done for MEW on 12 September 2014 and MEW trained K&H Civils and Febcor Transport. Line: Roshcon trained on 21 November 2014. Substation: Adenco and Westland Civils trained on 23 October 2014.	Y	 E:\ENVIRONMENTAL MAN\STAFF\Madré Hendrikse\Projects\  E:\ENVIRONMENTAL MAN\STAFF\Madré Hendrikse\Projects\  E:\ENVIRONMENTAL MAN\STAFF\Madré Hendrikse\Projects\
				The construction camp must be located in a disturbed area and must be screened off during construction.	EA	MEW: Camp site is not located on the construction site, but rather in the town of Moorreesburg on a vacant piece of land. Lease agreement in place. No need for screening. Roshcon: Site Offices at TipTrans office in Moorreesburg Town. Lease agreement in place. Adenco and Westland Civils: Site offices adjacent the new substation and the divisional road. Temporary fencing and signage displayed.	Y	
				Hazardous material must be stored in regularly serviced containers enclosed in bunded areas/ The bunded areas must be provided with a tap-off system through which spillages and leakages that might occur will be removed without spillages outside the bunded area.	EA	Petrol, diesel and chemicals are stored at the camp site in a shed which has drip trays underneath to capture any spillages that might occur from the containers. Only the amounts necessary for a day is stored on site.	Y	
				Surface and storm water runoff generated on site must be channelled into designed adequate drains and not contribute to drainage problems to the existing roads.	EA	Will be implemented on the substation site.	Y	
				Chemical ablution facilities must be available for use by construction staff at all times during the construction phase. These facilities must be removed from the site when the construction phase is complete.	EA	Roshcon: Uses Boland Toilets MEW: Uses Econoloo Substation: Swartland Toilets	Y	
				Waste management on site must be managed as follows:	EA			

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				Any form of waste material and rubble generated during construction must be disposed off at a facility licensed in terms of section 20 (b) of the NEMWA, if cannot be responsibly re-used on site or off site.	EA	See condition 8 and 9	Y	
				Under no circumstances shall waste be buried or burnt on site	EA		Y	
				Waste must be stored in bins/ skips	EA		Y	
				No littering is allowed.	EA		Y	
				GENERAL				
				33 A copy of this authorisation must be kept at the property where the activity will be undertaken. The authorisation must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.	EA		Y	
				34 Where any of the applicant's contact details change, including the name of the responsible person, the physical or postal address and/or telephonic details, the applicant must notify the Department as soon as the new details become known to the applicant.	EA	Barbara van Geems is still responsible.	Accept	
				35 The holder of the authorisation must notify the Department, in writing and within 48 (forty eight) hours, if any condition of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance. Non compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the regulations	EA		Accept	
				36 National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the applicant or his successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the applicant with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.	EA		Accept	