

**KONKOOSIES II PV FACILITY: CATEGORY B PROJECT**  
**ENVIRONMENTAL AND SOCIAL ACTION PLAN**

REFERENCE	ACTION (Mitigation measure)	REFERENCE IFC PS/ EQUATOR PRINCIPLES	RESPONSIBILITY	ACTION TIMELINE	COMPLIANCE INDICATOR
EA	Acquire and comply with all required permits and authorisations	<b>Performance Standard 1:</b> Assessment and Management of Environmental and Social Risks and Impacts  <b>Equator Principle 2:</b> Social and Environmental Assessment	Project Company	Prior to commencing any activity that require permits or authorisations	All permits and authorisation received.  Reports submitted to authorities as required.  Compliance status reported to DEA, DENC, DAFF and Lenders.
EA Condition 13	<b>Implement the Environmental Management Programme (EMPr)</b> Project EMP to be seen as a dynamic document and should be included in all contract documentation for all phases of the project	<b>Performance Standard 1:</b> Assessment and Management of Environmental and Social Risks and Impacts  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company /EPC Contractor	As required by the EMPr	Staff and contractors trained, and EMPr implemented and strictly enforced during all phases of the project.  Compliance status submitted to DEA and Lenders
EA Condition 34	Implement air quality management practices to control construction dust and vehicle emissions	<b>Performance Standard 3:</b> Resource Efficiency and Pollution Prevention	Project Company /EPC Contractor	During construction period	Dust management measures implemented  Construction monitoring report and highlighting dust control/ suppression activities. To be submitted to DEA and Lenders
EA Condition 64	<b>Cultural and Archaeological Resources:</b> Construction works will be monitored for archaeological remains.	<b>Performance Standard 8:</b> Cultural heritage	Project Company /EPC Contractor	During construction period	Construction monitoring report submitted to DEA and SAHRA notified.
EA Condition 56	<b>Hazardous, Materials Handling:</b> All chemical storage containers, including diesel fuel, and hazardous liquid waste drums/containers will	<b>Performance Standard 3:</b> Resource Efficiency and Pollution Prevention	Project Company /EPC Contractor	During construction period	Construction monitoring report submitted to DEA.  Waste storage in accordance with Waste Storage Norms and Standards

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	be placed so as to minimize the risk of soil and groundwater contamination and water pollution.				Waste generated managed by a licensed company and disposed at a registered landfill site.
EA Condition 54 - 56	<b>Waste Management plan for all wastes,</b> Hazardous waste to be disposed of at licensed landfill facility, monitoring systems during construction to detect leakages or spillages	<b>Performance Standard 3:</b> Pollution Prevention and Abatement	Project Company/EPC Contractor	Prior to commencing construction and site preparation activities	Waste Management Plan that complies with the requirements of IFC PS3 developed.  Review and approval of waste management plan by authorities if required.  Waste managed in accordance with the Waste norms and standard and regulations.  Report Implementation status to Lenders.
EMP Appendix H	<b>Emergency Planning and Response</b> Develop and implement an emergency planning and response plan for the construction and operational phases	<b>Performance Standard 3:</b> Pollution Prevention and Abatement  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company/EPC Contractor	Prior to commencing construction and during construction.	Comprehensive Emergency Response Plan developed and implemented.  All necessary local authority approvals including that of the Fire Chief in terms of the fuel storage and fire prevention and management plan obtained.
EMP Appendix G	<b>Develop and implement Storm Water Management Plan</b>	<b>Performance Standard 3:</b> Pollution Prevention and Abatement  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company	Prior to commencing construction	Comprehensive Storm Water Management Plan developed.  Report Implementation status to DEA and Lenders
EA condition 50	<b>Develop and Implement Health, Safety, and Environmental (HSE) Plan</b> Requirements of the Occupational Health and Safety Act (85 of 1993) to guide all activities on project sites during site preparation, construction, and operation.	<b>Performance Standard 4:</b> Community Health, Safety and Security  <b>Performance Standard 2:</b> Labour and Working Conditions	EPC Contractor/ Project Company	Prior to commencing construction and site preparation activities and during operation	Comprehensive Health and Safety Plan specific to project developed and implemented  Human Resources policy and procedures to be developed prior to construction commencing  Report to Lenders on OHS issues, including incident statistics and status of training.

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EMP Appendix A	<b>Implement Re-vegetation and Rehabilitation Plan</b>	<b>Performance Standard 6:</b> Biodiversity Conservation and Sustainable Natural Resource Management  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company/ EPC Contractor	Immediately after completion of construction phase	Revegetation and rehabilitation plan compiled and implemented.
EMP Appendix B	<b>Implement Invasive plant management plan</b> in order to ensure control of alien weeds and invader plants (as listed under the Conservation of Agricultural Resources Act No. 43 of 1983 and NEM: Biodiversity Act) - an on-site management plan needs to be developed and implemented	<b>Performance Standard 6:</b> Biodiversity Conservation and Sustainable Natural Resource Management  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company/ EPC Contractor	Implement during construction and operation phases	Alien plant management plan implemented and report on status to DEA following compliance audits.
EMP Appendix D	<b>Implement Erosion management Plan</b>	<b>Performance Standard 6:</b> Biodiversity Conservation and Sustainable Natural Resource Management  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company/ EPC Contractor	Implement during construction and operation	Erosion management plan compiled and report on status to DEA following compliance audits.
EMP Appendix E	<b>Implement Open space management plan</b>	<b>Performance Standard 6:</b> Biodiversity Conservation and Sustainable Natural Resource Management  <b>Equator Principle 4:</b> Action Plan and Management System	Project Company / EPC contractor	Implement during construction and operation phases	Open space management plan implemented and report on status of implementation.
EMP Appendix C	<b>Implement Plant rescue and protection plan</b>	<b>Performance Standard 6:</b> Biodiversity Conservation and Sustainable Natural Resource Management	Project Company/ EPC Contractor	Implemented during construction phases	Plant rescue and protection plan completed.  Report on completion of the plan and status of implementation.

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		<b>Equator Principle 4:</b> Action Plan and Management System			
EMP Appendix F	<b>Develop and implement Stakeholder Engagement Plan</b> , including stakeholder Grievance mechanism and notice to authorities and residents of major construction events.	<b>Equator Principle 6:</b> Grievance Mechanism  <b>Performance Standard 4:</b> Community Health, Safety and Security	Project Company/ EPC Contractor	Develop prior to commencing construction and implement throughout project life-cycle	Stakeholder Engagement Plan and Grievance Mechanism developed and implemented.  Report to Lenders on all grievances received and how addressed/resolved as part of annual audit.
EMP Appendix G	<b>Traffic management plan/system</b>	<b>Equator Principle 4:</b> Action Plan and Management System	EPC/ Project Company	Prior to commencing construction and throughout construction	Traffic Management System and transportation plan compiled and implemented
EA Condition 14	Appoint an Independent Environmental Control Officer (ECO) responsible for monitoring, reviewing and verifying compliance by the Contractor with the environmental specifications of the EMPr and the conditions of the Environmental Authorisation	<b>Equator Principle 9:</b> Independent Monitoring and Reporting	Project Company	Prior to commencing construction and until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation	Proof of appointment of ECO submitted to DEA and Lenders Monitoring reports compiled and submitted to the DEA and Lenders
EA Condition 16-18	Appointment of ECO who shall keep record of all activities on site, problems identified and transgressions noted. Incident complaint register to be kept on site.	<b>Equator Principle 9:</b> Independent Monitoring and Reporting	Project Company	ECO appointed prior to commencing construction & remains employed until after rehabilitation is completed	Proof of appointment of ECO submitted to DEA and Lenders