

DRAFT ENVIRONMENTAL MANAGEMENT PROGRAMME

This Draft Environmental Management Programme (EMPr) sets out mitigation/management measures for the potential impacts identified for the proposed relocation of a section of the 275 kV power line at the Sishen Iron Ore Mine (Sishen Mine). Due to the nature of the project, impacts of negative-low to negative-high significance are anticipated to occur during the construction phase with limited impacts of moderate significances during the operational phase. On receipt of the environmental authorisation, the EMPr will be amended to include additional conditions as set out by the National Department of Environmental Affairs (DEA). The EMPr will then become a legally binding document to the applicant, all its contractors and their employees.

The tables below outline the proposed action plans and mitigation measures to reduce the potential negative impacts associated with the proposed construction activities.

1. Planning and Design

OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Limit the impacts on sensitive areas.	The positions of the mast poles should be determined in such a way as to	Eskom	Prior to construction
	avoid being placed within 32 metres from the edge of any pans along the		
	power line route.		

2. Construction

OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
2.1. APPOINTMENTS AND DUTIES			



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Define organisational and administrative arrangements for	Eskom to appoint a Site Manager (SM) to oversee all aspects of the	Eskom	Prior to construction
EMP implementation.	construction activities and implementation of the EMPr.		
Adequate management and mitigation of environmental	Eskom to appoint a capable and suitably qualified Environmental Control	Eskom	Prior to construction
impacts.	Officer (ECO) to monitor compliance with the EMPr. The competent		
	authority must be notified of the details and contact numbers of the		
	appointee in writing for record and communication purposes.		
	Eskom Safety Health Environment and Quality (SHEQ) department	Eskom	Monthly
	representative to undertake monthly checks of construction activities and		
	propose / request mitigation / management measures if and when		
	required.		
	Appointed contractors to nominate a capable and suitably qualified staff	SM	Prior to construction
	member as Environmental Representative (EREP) to supervise		
	implementation of the EMPr as it applies to the nature of the contract with		
	Eskom.		
	The applicable conditions of this EMPr must form part of all contractors'	Eskom	Prior to construction
	and sub-contractors' conditions of contract. A performance based		
	requirement with regards to environmental impact management must be		
	included in all contracts.		
	Procedures for the regular inspection and maintenance of the site must be	Eskom, Contractor/	Ongoing
	in place to ensure that environmental degradation is prevented and	EREP	
	possible impacts arising from the operation are mitigated.	& ECO	
	A copy of the EMPr (this document) must always be available on site for	Eskom, Contractor/	Ongoing



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	inspection by authorised officers.	EREP & ECO	
2.2. PUBLIC AND LABOUR RELATIONS			1
Maintain transparent communication with project affected	Include the construction of the power line as an item on the agenda of the	ECO	Ongoing, quarterly
community.	Sishen Mine environmental monitoring committee meetings.		
Keeping project affected community up to date with	Have a complaints register available at the site for any person to record	SM	Ongoing
developments at Sishen Mine and surrounding area.	complaints regarding the operations.		
Maintain community based "license to operate".	ECO to investigate complaints and provide feedback to the complainant	ECO	Ongoing
	within 72 hours of being reported.		
	Any complaints regarding the development must be brought to the	ECO	Ongoing, quarterly
	attention of the DEA. The complaints register must be kept up to date for		
	inspection by the DEA.		
2.3. TRAINING, AWARENESS AND COMPETENCE			
Ensure adequate knowledge and understanding of EMPr	All construction workers, suppliers and service providers entering the	Contractor/ EREP	Upon appointment
stipulations, policies and procedures.	construction site to attend and undergo environmental awareness	& ECO	and before entering
Understanding the interface between the work environment	induction training sessions covering key environmental issues pertaining		the construction site
and environmental protection.	to the construction site and surroundings with regard to protection of the		
	natural environment, the conditions of the environmental authorisation, the		
	requirements of the EMPr and the rights of landowners on whose		
	properties construction activities take place.		
2.4. SOIL			1
Optimise availability and viability of soil as growth medium	All available topsoil will be stripped from areas compacted and disturbed	Contractor/ EREP	Ongoing
to enable sustainable vegetation cover after rehabilitation.	along the servitude.		



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Maximise topsoil availability for rehabilitation at the	Topsoil will be stockpiled for later use during rehabilitation.	Contractor/ EREP	Ongoing
completion of construction activities.	Soil erosion will be monitored over the entire servitude.	Contractor/ EREP	Ongoing
2.5. SPILL PREVENTION, RESPONSE AND CLEAN-UP			
Define and implement control measures for hazardous spill	Soil polluted by a spill of chemicals, oil or diesel shall be handled as	Contractor & ECO	Ongoing
prevention, and ensure adequate response and clean-up	hazardous waste if remediation in situ has not been authorised by the		
measures are put in place.	ECO.		
	All vehicles shall be serviced regularly according to a pre-planned	Contractor & ECO	Ongoing
	maintenance programme in order to minimise oil drips and spillages.		
	Vehicles with oil drips are not allowed on site.		
	All petroleum products to be stored in lined and bunded areas.	Contractor & ECO	Ongoing
	Dispensing of petroleum products to take place over a drip tray or within a	Contractor & ECO	Ongoing
	lined and bunded area.		
	Use drip trays under machinery, vehicles and equipment with minor fuel or	Contractor & ECO	Ongoing
	hydraulic fluid leaks.		
	Repairs and maintenance to machinery, vehicles and equipment to be	Contractor & ECO	As required
	undertaken in workshop. Any on-site emergency repairs to be undertaken		
	over impervious surfaces.		
2.6. NOISE			I
Develop and implement appropriate noise control measures	Noise levels and other disturbances in close proximity to residences or	Contractor/ EREP	Ongoing
according to risk profile of construction site and proximity of	built-up areas to be limited to daylight hours.	& ECO	
residences.	The contractor shall ensure that his workers do not create unnecessary	Contractor	Ongoing
	noise such as hooting or shouting.	& ECO	



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	Complaints regarding noise to be registered in the complaints register and	EREP & ECO	As Required
	to be investigated and managed in accordance with the incident reporting		
	procedure.		
	Noise levels and other disturbances in close proximity to residences or	Contractor	Ongoing
	built-up areas to be limited to daylight hours.	& ECO	
2.7. DUST			
Develop and implement appropriate dust control measures	Unsealed access roads and road verges of sealed roads should be	Eskom & ECO	Ongoing
according to the risk profile of the project.	watered by means of water carts.		
	Unsealed laydown and vehicle parking areas should be watered as	Eskom & ECO	Ongoing
	required by means of water carts.		
	Speed limits on unsealed roads will be limited to a maximum speed	Eskom & ECO	Ongoing
	consistent with the minimisation of dust generation. Nominal speed limit		
	of 40 km/h applies unless otherwise marked.		
	All dust control equipment, such as water carts and sprays, shall be	Eskom & ECO	Weekly
	operated and maintained to prevent or minimise fugitive dust emissions.		
	Complaints regarding dust to be registered in the complaints register and	EREP & ECO	As Required
	to be investigated and managed in accordance with the incident reporting		
	procedure.		
2.8. BIODIVERSITY	1		ı



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Prevent the alteration of natural ecological systems and	Disturbance of natural vegetation beyond the footprint of the servitude is	Contractor/ EREP &	Ongoing
processes.	not permitted. The footprint of disturbance must be kept to the minimum	ECO	
Minimise impacts on protected tree species, drainage	required for the activity and reasonable vehicular and equipment		
channels, the Gamagara River, pans, rocky outcrops and	movement.		
other areas identified as sensitive.	Trapping, catching and hunting of all animals are prohibited.	Contractor/ EREP &	Ongoing
		ECO	
	Collection of any plant material from natural veld areas is prohibited.	Contractor/ EREP &	Ongoing
		ECO	
	Damage to and removal of protected species of vegetation is prohibited	Contractor/ EREP &	Prior to site clearance
	unless permits for removal from the Department of Agriculture, Fisheries	ECO	and removal of
	and Forestry (DAFF) and the Department of Environment and Nature		protected tree and
	Conservation (DENC) are in place (licenses and permits are required		plant species
	where protected tree and plant species cannot be avoided and have to be		
	removed, respectively).		
	Remove any alien or invasive plants that have established within the	Contractor/ EREP &	Ongoing
	power line servitude.	ECO	
	All sections of the line passing over or adjacent to pans and dams or river	Contractor/ EREP &	During construction
	and streams should be marked on the earth wires with a suitable marking	ECO	
	device.		
2.9. PUBLIC SAFETY AND SECURITY			L
Implementation of adequate access control in order to	The access gate to the construction site will be controlled and only	Contractor/ EREP	Ongoing
prevent harm and the illegal dumping of any material.	authorised vehicles and persons will be allowed access.		



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	Contract a security company to patrol the construction site for the duration	Contractor/ EREP	Ongoing
	of construction period.		
	The construction site will be fenced to prevent unauthorised people and	Contractor/ EREP	Ongoing
	animals accessing the area.		
	Fences and gates will be maintained and all damage to fences and gates	Contractor/ EREP	Ongoing
	shall be properly fixed and repaired as soon as required and to the		
	satisfaction of the landowners.		
2.10. MACHINERY, EQUIPMENT, VEHICLE MOVEMENT A	ND ROADS		l
Minimise construction-related disturbances and public	Maintain machinery, vehicles and equipment in good condition to prevent	Contractor/ EREP	Ongoing
safety risks during the use of machinery, equipment and	unnecessary noise output, emissions, and risks of hydrocarbon spills		
vehicles.	(fuels and lubricants).		
	Minimise movement of traffic along public roads as far as reasonably	Contractor/ EREP	Ongoing
	possible.		
	Road sections affected by the construction operations to be maintained in	Contractor/ EREP	Ongoing
	an acceptable condition.		
	No new roads and tracks will be created, unless approved by the ECO.	Contractor/ EREP &	Ongoing
		ECO	
	All vehicles to adhere to prescribed / agreed speed limits as indicated on	Contractor/ EREP &	Ongoing
	road signage and/or specific instructions or procedures issued by the SM	ECO	
	or ECO to prevent accidents and road damage.		
	Upon completion of construction activities, all access roads used during	Contractor/ EREP &	At the end of the
	the construction process must be rehabilitated to their original condition.	ECO	construction process



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
2.11. HERITAGE RESOURCES			
Avoid disturbance or loss of important heritage sites and	An archaeologist should immediately be notified should any historical,	Contractor/ EREP	As required
artefacts.	archaeological, cultural or heritage artefacts be unveiled.		
2.12. INCIDENT REPORTING AND MANAGEMENT			
Adequately assess root cause of incidents in order to	An incident reporting procedure to be put in place and kept up to date.	Eskom, SM,	At start of
develop and implement appropriate corrective actions and		Contractor/ EREP,	construction, ongoing
prevent incidents from recurring.		ECO & EA	thereafter
	Record all environmental incidents in a register, and ensure investigation,	Contractor/ EREP	As required
	follow-up and close out of all incidents.	& ECO	
	After incident implement appropriate corrective actions, including	Contractor/ EREP	As required
	measures to prevent recurring incidents.	& ECO	
2.13. WASTE MANAGEMENT			
Adhere to waste management principles of avoidance,	Provide separate receptacles for the collection and storage of general and	Contractor/ EREP	As required.
minimisation, reuse, recycling, treatment and correct	hazardous waste generated at the site.		
disposal methods.	All general and hazardous waste generated at the site are to be disposed	Contractor/ EREP	Ongoing
Define and implement control measures to prevent	at an appropriately registered waste construction facility.	& ECO	
inappropriate storage, treatment and construction of waste.	Littering is prohibited. Conduct regular inspections for and collection of	Contractor/ EREP	Ongoing
	litter.	& ECO	
	Burning of waste is prohibited.	Contractor/ EREP	Ongoing
		& ECO	
	Recycling of waste is currently encouraged in all the consumer sections of	Eskom	Ongoing
	the mine, which includes removal of useful materials before dumping them		



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	in the salvage yard.		
2.14. ABLUTION FACILITIES AND SEWERAGE TREATME	NT		
Define and implement control measures to ensure adequate	Provide chemical toilets for personnel at the construction site.	Contractor/ EREP	Ongoing
treatment and construction of sewage waste.		& ECO	
	Construction of chemical toilet waste to be in accordance with the waste	Contractor/ EREP	Ongoing
	management procedure to be issued by the ECO.	& ECO	
2.15. FIRES			l
Preserve grazing land and natural habitats.	Open fires for heating and cooking purposes will not to be allowed on site	Contractor/ EREP	Ongoing
Protect private property.	or near areas where there is a risk of starting a veld fire.	& ECO	
	A trained fire response team will be in place to control fires as and when	ECO	Ongoing
	required.		
2.16. COMPLIANCE MONITORING			l
Provide information and ensure early detection of the	Records relating to the compliance/non-compliance within the conditions	Contractor/ EREP	Ongoing
impact of the construction activities upon the receiving	of the EMPr must be kept in good order.	& ECO	
environment.	Officials employed by the DEA shall be given access to the property for	Contractor/ EREP	Ongoing
Recognise environmental changes in order to enable	the purpose of assessing and/or monitoring compliance with the	& ECO	
analysis of their cause.	conditions contained in the EMPr.		
Maintain accurate records and transparent communication	Eskom will appoint a capable and suitably qualified and independent	Eskom	Prior to construction,
with regulatory bodies.	external Environmental Auditor (EA) to conduct audits to monitor		on a quarterly basis
Keeping regulatory bodies up to date with the development.	compliance with the EMPr. The EA must be to the satisfaction of DEA.		



3. Operation

OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Prevent the alteration or damage of natural ecological	All sections of the power lines passing over or adjacent to pans and dams	Eskom	During construction,
systems and processes.	or crossing over rivers or wetlands should be marked on the earth wires		ongoing thereafter
	with a suitable marking device in order to protect birds against collisions.		

4. Demolition & Closure

This section pertains to the demolition of the existing power line. Once the new section of the power line has been constructed and it is operational the existing line will be decommissioned and demolished in order to make way for the western expansion of Sishen Mine. The demolition of the existing line might not be undertaken by the same project team. Conditions applicable to the construction phase might therefore be duplicated in this section.

OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
4.1. APPOINTMENTS AND DUTIES			
Define organisational and administrative arrangements for	Eskom to appoint a SM to oversee all aspects of the demolition activities	Eskom	Prior to demolition
EMP implementation.	and implementation of the EMPr.		
Adequate management and mitigation of environmental	Eskom to appoint a capable and suitably qualified ECO to monitor	Eskom	Prior to demolition
impacts.	compliance with the EMPr. The competent authority must be notified of		
	the details and contact numbers of the appointee in writing for record and		



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	communication purposes.		
	Eskom SHEQ department representative to undertake monthly checks of	Eskom	Monthly
	demolition activities and propose / request mitigation / management		
	measures if and when required.		
	Appointed contractors to nominate a capable and suitably qualified staff	SM	Prior to demolition
	member as EREP to supervise implementation of the EMPr as it applies		
	to the nature of the contract with Eskom.		
	The applicable conditions of this EMPr must form part of all contractors'	Eskom	Prior to demolition
	and sub-contractors' conditions of contract. A performance based		
	requirement with regards to environmental impact management must be		
	included in all contracts.		
	Procedures for the regular inspection and maintenance of the site must be	Eskom, Contractor/	Ongoing
	in place to ensure that environmental degradation is prevented and	EREP	
	possible impacts arising from the demolition are mitigated.	& ECO	
	A copy of the EMPr (this document) must always be available on site for	Eskom, Contractor/	Ongoing
	inspection by authorised officers.	EREP & ECO	
4.2. PUBLIC AND LABOUR RELATIONS			L
Maintain transparent communication with project affected	Include the demolition of the power line as an item on the agenda of the	ECO	Ongoing, quarterly
community.	Sishen Mine environmental monitoring committee meetings.		
Keeping project affected community up to date with	Have a complaints register available at the site for any person to record	SM	Ongoing
developments at Sishen Mine and surrounding area.	complaints regarding the operations.		
Maintain community based "license to operate".	ECO to investigate complaints and provide feedback to the complainant	ECO	Ongoing



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	within 72 hours of being reported.		
	Any complaints regarding the demolition process must be brought to the	ECO	Ongoing, quarterly
	attention of the DEA. The complaints register must be kept up to date for		
	inspection by the DEA.		
4.3. TRAINING, AWARENESS AND COMPETENCE			
Ensure adequate knowledge and understanding of EMPr	All workers, suppliers and service providers entering the demolition site to	Contractor/ EREP	Upon appointment
stipulations, policies and procedures.	attend and undergo environmental awareness induction training sessions	& ECO	and before entering
Understanding the interface between the work environment	covering key environmental issues pertaining to the construction site and		the demolition site
and environmental protection.	surroundings with regard to protection of the natural environment, the		
	conditions of the environmental authorisation, the requirements of the		
	EMPr and the rights of landowners on whose properties demolition		
	activities take place.		
4.4. SOIL			
Optimise availability and viability of soil as growth medium	All available topsoil will be stripped from areas compacted and disturbed	Contractor/ EREP	Ongoing
to enable sustainable vegetation cover after rehabilitation.	along the servitude.		
Maximise topsoil availability for rehabilitation at the	Topsoil will be stockpiled for later use during rehabilitation.	Contractor/ EREP	Ongoing
completion of construction activities.	Soil erosion will be monitored over the entire servitude.	Contractor/ EREP	Ongoing
4.5. SPILL PREVENTION, RESPONSE AND CLEAN-UP			
Define and implement control measures for hazardous spill	Soil polluted by a spill of chemicals, oil or diesel shall be handled as	Contractor & ECO	Ongoing
prevention, and ensure adequate response and clean-up	hazardous waste if remediation in situ has not been authorised by the		
measures are put in place.	ECO.		
	Construction vehicles shall be serviced regularly according to a pre-	Contractor & ECO	Ongoing



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	planned maintenance programme in order to minimise oil drips and		
	spillages. Vehicles with oil drips are not allowed on site.		
	All petroleum products to be stored in lined and bunded areas.	Contractor & ECO	Ongoing
	Dispensing of petroleum products to take place over a drip tray or within a	Contractor & ECO	Ongoing
	lined and bunded area.		
	Use drip trays under machinery, vehicles and equipment with minor fuel or	Contractor & ECO	Ongoing
	hydraulic fluid leaks.		
	Repairs and maintenance to machinery, vehicles and equipment to be	Contractor & ECO	As required
	undertaken in workshop. Any on-site emergency repairs to be undertaken		
	over impervious surfaces.		
4.7. NOISE			
Develop and implement appropriate noise control measures	Noise levels and other disturbances in close proximity to residences or	Contractor/ EREP	Ongoing
according to risk profile of construction site and proximity of	built-up areas to be limited to daylight hours.	& ECO	
residences.	The contractor shall ensure that his workers do not create unnecessary	Contractor	Ongoing
	noise such as hooting or shouting.	& ECO	
	Complaints regarding noise to be registered in the complaints register and	EREP & ECO	As Required
	to be investigated and managed in accordance with the incident reporting		
	procedure.		
	Noise levels and other disturbances in close proximity to residences or	Contractor	Ongoing
	built-up areas to be limited to daylight hours.	& ECO	
4.8. DUST			
Develop and implement appropriate dust control measures	Unsealed access roads and road verges of sealed roads should be	Eskom & ECO	Ongoing



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
according to the risk profile of the project.	watered by means of water carts.		
	Unsealed laydown and vehicle parking areas should be watered as	Eskom & ECO	Ongoing
	required by means of water carts.		
	Speed limits on unsealed roads will be limited to a maximum speed	Eskom & ECO	Ongoing
	consistent with the minimisation of dust generation. Nominal speed limit		
	of 40 km/k applies unless otherwise marked.		
	All dust control equipment, such as water carts and sprays, shall be	Eskom & ECO	Weekly
	operated and maintained to prevent or minimise fugitive dust emissions.		
	Complaints regarding dust to be registered in the complaints register and	EREP & ECO	As Required
	to be investigated and managed in accordance with the incident reporting		
	procedure.		
4.9. BIODIVERSITY			
Prevent the alteration of natural ecological systems and	Disturbance of natural vegetation beyond the footprint of the servitude is	Contractor/ EREP &	Ongoing
processes.	not permitted. The footprint of disturbance must be kept to the minimum	ECO	
Minimise impacts on protected tree species, drainage	required for the activity and reasonable vehicular and equipment		
channels, the Gamagara River, pans, rocky outcrops and	movement.		
other areas identified as sensitive.	Trapping, catching and hunting of all animals are prohibited.	Contractor/ EREP &	Ongoing
		ECO	
	Collection of any plant material from natural veld areas is prohibited.	Contractor/ EREP &	Ongoing
		ECO	
	Damage to and removal of protected species of vegetation is prohibited	Contractor/ EREP &	Prior to removal of
	unless permits for removal from the DAFF and the DENC are in place	ECO	protected tree and



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	(licenses and permits are required where protected tree and plant species		plant species
	cannot be avoided and have to be removed, respectively).		
	Remove any alien or invasive plants that have established within the	Contractor/ EREP &	Ongoing
	power line servitude.	ECO	
4.10. PUBLIC SAFETY AND SECURITY			l
Implementation of adequate access control in order to	The access gate to the demolition site will be controlled and only	Contractor/ EREP	Ongoing
prevent harm and the illegal dumping of any material.	authorised vehicles and persons will be allowed access.		
	Contract a security company to patrol the site for the duration of the	Contractor/ EREP	Ongoing
	demolition process.		
	The demolition site will be fenced to prevent unauthorised people and	Contractor/ EREP	Ongoing
	animals accessing the area.		
	Fences and gates will be maintained and all damage to fences and gates	Contractor/ EREP	Ongoing
	shall be properly fixed and repaired as soon as required and to the		
	satisfaction of the landowners.		
4.11. MACHINERY, EQUIPMENT, VEHICLE MOVEMENT A	ND ROADS		
Minimise construction-related disturbances and public	Maintain machinery, vehicles and equipment in good condition to prevent	Contractor/ EREP	Ongoing
safety risks during the use of machinery, equipment and	unnecessary noise output, emissions, and risks of hydrocarbon spills		
vehicles.	(fuels and lubricants).		
	Minimise movement of traffic along public roads as far as reasonably	Contractor/ EREP	Ongoing
	possible.		
	Road sections affected by the construction operations to be maintained in	Contractor/ EREP	Ongoing
	an acceptable condition.		



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
	No new roads and tracks will be created, unless approved by the ECO.	Contractor/ EREP &	Ongoing
		ECO	
	All vehicles to adhere to prescribed / agreed speed limits as indicated on	Contractor/ EREP &	Ongoing
	road signage and/or specific instructions or procedures issued by the SM	ECO	
	or ECO to prevent accidents and road damage.		
	Upon completion of demolition activities, all access roads used during the	Contractor/ EREP &	At the end of the
	construction process must be rehabilitated to their original condition.	ECO	demolition process
4.12. HERITAGE RESOURCES			1
Avoid disturbance or loss of important heritage sites and	An archaeologist should immediately be notified should any historical,	Contractor/ EREP	As required
artefacts.	archaeological, cultural or heritage artefacts be unveiled.		
4.13. INCIDENT REPORTING AND MANAGEMENT			I
Adequately assess root cause of incidents in order to	An incident reporting procedure to be put in place and kept up to date.	Eskom, SM,	At start of demolition,
develop and implement appropriate corrective actions and		Contractor/ EREP,	ongoing thereafter
prevent incidents from recurring.		ECO & EA	
	Record all environmental incidents in a register, and ensure investigation,	Contractor/ EREP	As required
	follow-up and close out of all incidents.	& ECO	
	After incident implement appropriate corrective actions, including	Contractor/ EREP	As required
	measures to prevent recurring incidents.	& ECO	
4.14. WASTE MANAGEMENT			
Adhere to waste management principles of avoidance,	Provide separate receptacles for the collection and storage of general and	Contractor/ EREP	As required.
minimisation, reuse, recycling, treatment and correct	hazardous waste generated at the site.		
disposal methods.	All general and hazardous waste generated at the site are to be disposed	Contractor/ EREP	Ongoing



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Define and implement control measures to prevent	at an appropriately registered waste construction facility.	& ECO	
inappropriate storage, treatment and construction of waste.	Littering is prohibited. Conduct regular inspections for and collection of	Contractor/ EREP	Ongoing
	litter.	& ECO	
	Burning of waste is prohibited.	Contractor/ EREP	Ongoing
		& ECO	
	Recycling of waste is currently encouraged in all the consumer sections of	Eskom	Ongoing
	the mine, which includes removal of useful materials before dumping them		
	in the salvage yard.		
4.15. ABLUTION FACILITIES AND SEWERAGE TREATME	NT		
Define and implement control measures to ensure adequate	Provide chemical toilets for personnel at the construction site.	Contractor/ EREP	Ongoing
treatment and construction of sewage waste.		& ECO	
	Construction of chemical toilet waste to be in accordance with the waste	Contractor/ EREP	Ongoing
	management procedure to be issued by the ECO.	& ECO	
4.16. FIRES			
Preserve grazing land and natural habitats.	Open fires for heating and cooking purposes will not to be allowed on site	Contractor/ EREP	Ongoing
Protect private property.	or near areas where there is a risk of starting a veld fire.	& ECO	
	A trained fire response team will be in place to control fires as and when	ECO	Ongoing
	required.		
4.17. COMPLIANCE MONITORING			I
Provide information and ensure early detection of the	Records relating to the compliance/non-compliance within the conditions	Contractor/ EREP	Ongoing
impact of the construction activities upon the receiving	of the EMPr must be kept in good order.	& ECO	
environment.	Officials employed by the DEA shall be given access to the property for	Contractor/ EREP	Ongoing



OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Recognise environmental changes in order to enable	the purpose of assessing and/or monitoring compliance with the	& ECO	
analysis of their cause.	conditions contained in the EMPr.		
Maintain accurate records and transparent communication	Eskom will appoint a capable and suitably qualified and independent	Eskom	Prior to demolition,
with regulatory bodies.	external EA to conduct audits to monitor compliance with the EMPr. The		on a quarterly basis
Keeping regulatory bodies up to date with the development.	EA must be to the satisfaction of DEA.		

5. Rehabilitation

OBJECTIVES	MANAGEMENT ACTION	RESPONSIBILITY	TIME PERIOD FOR
			IMPLEMENTATION
Minimise residual impacts and ensure physical, ecological	Soils that have become compacted through the demolition activities must	Contractor/ EREP	At end of demolition.
and chemical stability of site.	be loosened to an appropriate depth to allow seed germination.		
Ensure human safety.	All surface infrastructure that is not required by the land owner must be	Contractor	At the end of the
	removed and all introduced materials must be removed and disposed.		demolition process
	Vegetation growth should be monitored to assess if successful	ECO & EA	For 1 year after the
	establishment has taken place. Should vegetation not establish additional		end of the demolition
	seeding needs to be considered. This should take place in consultation		process
	with the ECO.		
	Alien and invasive plants need to be monitored and any plants	ECO & EA	For 1 year after the
	establishing on the disturbed areas removed.		end of the demolition
			process