

	ESKOM TRANSMISSION BASELINE ENVIRONMENTAL MANAGEMENT PROGRAMME FOR SUPPLIERS / CONTRACTORS http://intranet.eskom.co.za/EskomBusinesses/OtherSites/Pages/Le.aspx / http://discover.sabinet.co.za / https://registers.ecoimpact.co.za	Document Identifier
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NR	ACTIVITY	ASPECT	IMPACT	SIGNIFICANCE	OBJECTIVE	TARGET	MEANS / METHOD STATEMENT	DUE DATE	RESPONSIBLE PERSON	COMPLETION DATE
1	PROCUREMENT	Evaluation and adjudication of tender submissions	Failure to include environmental requirements during tender process could result into environmental degradation	Medium	Ensure Eskom SHEQ (Environmental) requirements are specified / included during tender process	With the submission of each tender	Ensure Environmental requirements are taken into account during tender process .	Tender submission	Buyer	
2		Placement of order/contract with suppliers	Specifying environmental criteria for supplies & advice on the use of products or services to minimise the environmental impacts.	Medium	Ensure Environmental requirements are taken into account when placing an order	Placement of order	Specifying environmental criteria for suppliers/service providers .	Tender stage	Buyer	
3		Assessing contractors	Failure to make contractors aware of the impact of their deviations from set procedures could lead to negative environmental impacts	Medium	Ensure that contractors are aware of the impact of their deviations from / non-compliance to set procedures.	Prior commencement of activities	SHEQ (Environmental) File evaluation and approval for tender requirements	Prior commencements of activities	Environmental Practitioner / Project Manager	
4	PROJECT MANAGEMENT	The management of the project according to EMP and relevant environmental legal requirements .	Failure to ensure compliance with the EMP and relevant compliance obligations requirements may lead to legal contraventions, customer complaints, claims against the business and damage to the environment and private / state properties.	HIGH	To ensure that the project is effectively managed according to all compliance obligation requirements.	0 Legal Contraventions	Through discussing all environmental non-compliances and requirements under an agenda items at the project inaugural meeting and progress meetings, allocating responsible persons and action dates for mitigations.	Duration of project	Project Manager / Contractor	
5	PROJECT MANAGEMENT	Assesment & Planning	Failure to conduct line risk assessments and proper planning during the execution of the project activities may lead to environmental incidents and damage to private / state property that my result in disputes with landowners.	HIGH	To ensure that risk assessments and proper planning are conducted to minimise or avoid environmental aspects that might lead to negative environmental impacts	0 Legal Contraventions	1. Environmental requirements can be discussed daily during the toolbox talks. 2. Environmental Risks assessments of the area can be done together with safety observations / assessments. 3. Emergency contact numbers must be available on site. 4. Land owners must be notified of dates contractors will be working in the servitude, crossing private properties. 5. Contractors working for Eskom must have identity cards, clearly marked clothing and vehicles. 6. Contractors working onTransmission sites must have SAPS security clearance to enter substations / sites	Duration of project	Project Manager / Contractor	
6	PROJECT MANAGEMENT	Environmental Training & Awareness of contractors.	Lacking environmental awareness / knowledge of Eskom Transmission and other relevant compliance obligations requirements may lead to legal contravention, damage to the environment and private property that may result into disputes and claims with landowners.	HIGH	To ensure contractors are aware of environmental requirements i.o. the EMP and other compliance obligations requirements	0 Legal Contraventions	1. SHE & Security (Environmental) Induction Training must be provided to all contractors before any project activity may start. 2. Attendance Registers of SHE Induction must be kept by the project manager / BU SHE Depts and copies included in the contractor's SHE file 3. Environmental Requirements can be highlighted daily during the toolbox talks to refresh workers minds on what is required. 4. Relevant training requirements must be identified up front before tender award and will be checked during tender approval and SHE file evaluations and approvals.	Duration of project	Project Manager / Contractor	

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7	PROJECT MANAGEMENT	During / Final Construction Audits	Failure to conduct audits during the course of the project can result in non compliances that are overlooked and failure to mitigate and prevent environmental incidents that have occurred.	HIGH	To ensure that non compliances or NCRs are picked up during construction activities and rectified / mitigated a.s.a.p. after it occurred. To conduct a final construction audit to ensure that the project is completed without any non compliances and NCRs open.	0 Legal Contraventions	1. During construction audits (inspections) must be conducted on a weekly basis by conducting site visits to where activities of the project are taking place. 2. A Final construction audit and (before project handover) must be conducted on project completion. Objective evidence of close out of previous NCRs if any. 3. During constructions, audits can also be conducted by the relevant Environmental professional at any given time. 4. NCRs will be raised for non-conformances	Duration of project On project completion Duration of project Duration of project	Project Site Supervisor / SHE (Environmental) Rep Project Site Supervisor / SHE (Environmental) Rep BU Environmental Professional Project Manager / BU Environmental Professional.	
8	VEGETATION MANAGEMENT & BUSHCLEARING	The cutting / removing of protected plant / tree species (Cut, disturb, damage or destroy any protected tree or possess, collect, remove, transport, export, purchase, sell, donate or in any other manner acquire or dispose of any protected tree or any forest product derived from a protected tree)	Resulting into a legal contravention. Financial and legal prosecution implication from the authorities and or private property owners.	HIGH	To ensure that no protected tree /species are cut , disturbed, destroyed or damaged / transported without a permit.	0 Legal Contraventions	Any Eskom staff / contractors must undergo SHE & Security (Environmental) Induction prior to the start of any project. Relevant Eskom staff / contractors must have done tree identification training prior to them starting with any vegetation mg/ bushclearing program. Permits must be obtained from the Department of Forestry , Fisheries and the Environment - DFFE) before any protected tree is cut. Tx Landowner Approval Certificate / Consent form must be completed prior to the start of the project and landowners must sign off on status of property after completion of any bush clearing activities.	Before project start On contract award / before project start Before project start Before entering servitude / private property	Project Manager / Contractor / Site supervisor /Project Environmental Practitioner Contractor / Eskom staff BU Env Department Contractor / Site Supervisor	
9	VEGETATION MANAGEMENT & BUSHCLEARING	Proliferation of Alien Invasive species	It is legally non-compliant to allow alien species to proliferate. Sites should be monitored continuously to control spread of alien species.	HIGH	To ensure that Alien Invasive species are removed according to legal and other requirements (compliance obligation).	0 Legal Contraventions	1. To ensure alien invasive species are included in scope of work during bush clearing programmes 2. To ensure contractors / staff are trained on tree identification 3. Method statement on removal and disposal of alien invasive species in SHE files 4. Quality checks on scope of work completed	Before project start On contract award Before project start Duration of project	Project Manager / Contractor Contractor /Eskom staff BU Env Dept BU Lines & Servitude Supervisor	

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10	VEGETATION MANAGEMENT & BUSHCLEARING	Herbicide Application	Incorrect application of herbicide can lead to environmental degradation. Leaching of herbicide can affect groundwater and neighbouring farms. Financial and legal prosecution may also arise out of such a contravention.	HIGH	Ensure herbicides are applied in accordance with legal requirements	0 Legal Contraventions	1. Only contractors in possession of a PCO licence and accredited can apply herbicide within the terms and conditions of the contract and legal requirements. All contractor staff applying herbicide must have proof of herbicide application training 2. Contractor PCO Licence holders must be on site during herbicide application 3. Herbicide application must be done as soon as vegetation has been removed to avoid regrowth 4. A Herbicide Application register must be kept on site and copies must be submitted to the BU Lines & Servitude supervisor.	By contract award / project start Duration of project Duration of project Duration of project	Project Manager / Contractor Contractor Contractor Contractor / Lines and servitude supervisor
11	VEGETATION MANAGEMENT & BUSHCLEARING	Bush clearing in sensitive / protected areas such as: National parks Privately owned game reserves / farms Rivers / riverbanks 500m from Wetlands / water bodies Proclaimed protected areas Graves sites	If bush clearing is done indiscriminately there is the possibility of affecting protective / sensitive ecosystems systems negatively and enhance erosion in the servitude.	HIGH	To ensure that good vegetation management practices according to legal and other requirements	0 Legal Contraventions	1. Working according to established bushclearing program for bushclearing in servitudes 2. Tx Landowner Approval certificate / consent form must be completed and signed off by contractor / site supervisor / landowner before and on completion of project 3. Identify and obtain all relevant permits required i.t.o. legislation prior to the start of any project activity. 4. To include sensitive / protected areas in scope of work for relevant bush clearing programmes	Duration of project Before entering servitude / private property and before leaving servitude / private property after work completion Before project starts / kick-off On task order award for project activity to start	Project Manager / Contractor Contractor / Site Supervisor BU Env Dept BU Lines & Servitude supervisor
12	ACCESS	Use of access roads	The incorrect use of access roads in areas, which are prone to erosion, especially during wet conditions can lead to serious erosion. This can eventually make the entire area inaccessible and can affect the landowner's farm's carrying capacity. Damage to access roads and property can lead to claims and legal disputes and rehabilitation cost incurred.	Medium	To use access roads which belongs to land owners on private property responsibly according to legal and other requirements, EMP, method statements	0 Legal Contraventions	1. To capture the condition of any access road prior to the start of the project for record purposes. 2. All defects / damages occurring during the project should be reported, rectified immediately on occurrence. 3. The onus is on the contractor to be responsible for any rehabilitation on site/s should it damage / pollution incidents resulted from this project. 4. Landowner's consent must be obtained prior to the start of the project and landowners must sign off on status of property after completion of any project activities.	Before project starts Duration of project Duration of project Before entering servitude / private property	Project Manager / Contractor Contractor Contractor Contractor / Site Supervisor
13	ACCESS	Access of Eskom staff and or Contractors to sites along the servitude.	Employees entering the servitude on private property must understand specific requirements. People / Contractors from outside the network can have a negative impact on environment and pose security risks to landowners as well as affecting relationships negatively. This may lead to deutes and claims against Eskom.	Medium	To ensure that external people / contractors working on behalf of Eskom Tx do not contravene any legal or other requirement / bridge any agreement.	0 Legal Contraventions	1. All Eskom staff and contractors must be in possession of a form of identification indicating who they are, employer and project and have marked clothing and vehicles. 2. All landowners who's property will be accessed during the duration of the project must be contacted prior to accessing the servitude / line crossing private / state property. 3. All contractors staff must have SA Police clearance submitted with their copies of identification during SHE evaluations and approvals	Duration of project Duration of project Before project start	Project Manager / Contractor

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14	ACCESS	Bad Access	River crossings, servitude access route in poor condition, access gates removed / locked, etc.	MEDIUM	To ensure that areas where accessibility are difficult / poor condition are identified and managed	0 Legal Contraventions / claims from landowners	1. To identify such areas in advance and plan project activities accordingly i.e report such occurrences so it can be rectified and managed. 2. Not to damaged fences, gates or cut locks without consent / prior agreement of landowner / project manager. 3. To conduct risk assessment of poor access roads to avoid vehicle accidents and safety incidents.	Before project starts Duration of project Duration of project	Project Manager / Contractor Contractor Contractor	
15	SOCIAL INTERACTION	Unlawful occupation of land.	Unlawful occupation of land may lead to pollution of the environment, damage / theft of tower members as well as damage to private property.	HIGH	Illegal occupants to be handled in accordance with legal requirements	0 Public complaints arising from illegal land occupation	No Eskom Employee / contractor may make use of private property for camping during the duration of any project without written consent from / formal agreement with the property owner / Eskom Management.	Duration of project	Project Manager / Contractor	
16	SOCIAL INTERACTION	Public / Landowner Complaints	Inappropriate activities, activities in non-compliance to the EMP, legal and other requirements may lead to customer complaints.	Medium	To ensure that public complaints are address and successfully resolved.	Resolution / Management of public and landowner complaints	1. All public complaints must be kept in a register with proof of resolution on the site SHE file. 2. All public complaints must be reported to the relevant BU Env Dept. under which the project is executed. 3. BUs to record and monitor public / landowner complaint until resolved 4. Public complaints must be closed out on project completion / handover to the BU	Duration of project Duration of project Duration of project Project completion	Project Manager / Contractor Contractor BU Env Dept Project Manager / Contractor	
17	SOCIAL INTERACTION	Servitudes through cropfields	Cropfields might cause restriction of access to towers. Damage to cropfields can lead to claims against Eskom.	Medium	Ensure that these areas of crop fields are identified so alternative routes can be used or access negotiated with landowner.	0 Legal Contraventions / law suits / claims	1. By conducting risk assessments prior to the start of projects i.t.o. access. 2. To obtain written consent from property owner, stipulating any specific requirements from the property owner. 3. Avoid interaction with land owners activities. 4. No fires to be made anywhere.	Before project start Before entering private property Duration of project Duration of project	Project Manager / Contractor Project Manager / Contractor Contractor Contractor	
18	SOCIAL INTERACTION	Social-Civil liability due to inappropriate activities while working in servitudes / private property and or activities arising from substations	Employees entering a private property can have an impact if they leave gates open and animals are lost, damage cultivated areas and incorrect use of access to roads. Various public complaints may arise from this project activities and if not resolved may lead to social, civil and financial liabilities for Eskom. Substation activities may lead to pollution incidents that may result into social, civil and financial liabilities for Eskom	HIGH	To ensure that public complaints are successfully resolved	0 Legal Contraventions / law suits / claims	1. To attend to customer complaints and have minutes of meetings / any other documentation kept for record purposes. 2. Keep a public complaint register in the Environmental & Safety File on site. 3. To refer complaints involving legal action taken against Eskom to the Eskom Legal and Claims Department for resolution	Duration of project Duration of project Duration of project	Project Manager / Contractor Contractor Project Manager / BU Env Dept	

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19	WILDLIFE INTERACTION	Bird Nests	The removal of bird nest from towers without a without authorisation will lead to a legal contravention. Injuring and killing of red data / protected bird species.	HIGH	To remove bird nests posing a risk to the tower i.t.o. quality of supply etc. according to legal and other requirements.	0 Legal Contraventions / 0 public complaints	1. Identify affected towers where nest removal are required and report for mitigation. 2. All Bird nests requires a permit for removal from the Provincial Department of Forestry , Fisheries and the Environment - DFFE) / relevant national parks authority. Obtain relevant bird nest removal permit 3. Any nest including Red Data / Protected bird nests identified should NOT be removed until the chicks have fledged and left the nest (only in an emergency situation). 4. The BU Env dept will contact or coordinate site assessment	Before / Duration of project Before project start Duration of project Duration of project	Project Manager / Contractor BU Env Dept Contractor Project Manager / Contractor
20	WILDLIFE INTERACTION	Bird / wildlife / animal electrocutions and collisions with powerline infrastructure.	Bird / Wildlife fatalities can be due to electrocutions and collisions plant infrastructure. This may cause failure of equipent and interruption of supply. Killing of protected & endangered species.	HIGH	To ensure bird electrocution / collisions are reported.	0 Legal Contraventions / 0 plant failures or interruption of supply	BU Env dept to report wildlife incidents to EWT	Duration of project	Project Manager / Contractor /Environmental Practitioner
21	WILDLIFE INTERACTION	Poaching of game / wild / domestic animals.	The poaching of game / wild / domestic animals on private property is illegal.	Medium	To ensure NO poaching of game / wild / domestic animals occurs on private property.	0 Legal Contraventions / 0 law suits / claims	1. To communicate EMP and legal requirements to all contractors working on project during SHE & Security Induction 2. To include EMP and legal requirements in daily toolbox talks / risk assessments 3. To ensure SA police clearance for all contractor employess is done and submitted with ID documents during SHE file assessment and approval	Before project start Duration of project Beofre project start	Project Manager / Contractor
22	WILDLIFE INTERACTION	Interaction between people and animals.	The injuring or killing of animals accidentally with vehicles can lead to claims against Eskom. Interaction with dangerous animals can lead to employee fatalities / injuries	MEDIUM	To ensure that vehicles are driven responsibly with caution and legal / safe speeds. That all wildlife incidents are reported for investigation and mitigaion.	0 Legal contraventions / claims / safety incidents	1. To conduct detailed risk assessments of areas where work needs to be done 2. To identify servitudes with game camps keeping dangerous animals eg) lion, buffalo, etc before entering property / servitude 3. To establish landowner requirements upfront on entering areas where dangerous animals are kept 4. To keep and maintain a Environmental Incident register on site which includes Wildlife Incidents. 5. To report such incident at to the Project Manager immediately after occurrence.	Before / Duration of project Before project start Before / Duration of project Duration of project Duration of project	Project Manager / Contractor Project Manager / Site supervisor Project Manager / Contractor Contractor Contractor

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23	DRIVING OF VEHICLES	The incorrect use of access roads, speeding or driving irresponsibly, maintenance of vehicles, causing damage to property or injuring of animals / people.	This can eventually make the entire area inaccessible and can affect the landowner's relations negatively resulting in claims and or civil / criminal liability.	HIGH	To ensure no environmental damage is cause by vehicles during this project.	0 Claims / Safety incidents	<ol style="list-style-type: none"> 1. Use existing roads 2. No vehicle maintenance on site or in the servitude or on private property. 3. Be aware of environmental sensitive areas / soil(sand) and steep area 4. Leave gates in the position it was found/ or as agreed by land owner. 5. Damaged locks to be replaced. 6. Record all damage to infrastructure/ towers /anticlimbing devices 7. Vehicles which are not road worthy (i.e. leaking oil) shall not be used or allowed on site. 	1-7 Duration of project	1-7 Project Manager / Contractor	
24	WASTE MANAGEMENT	<p>Domestic / General Waste and litter generated during this project in the servitude.</p> <p>This include uncontaminated building rubble</p>	<p>These types of activities cause pollution and degradation to the environment.</p> <p>Leaving waste under the line and on private property can lead to landowner complaints and claims against Eskom</p>	HIGH	Waste is handled and dispose of as required by legislation and best practices.	0 Legal contraventions / landowner complaints	No waste to be left on site/ servitude after shift ends.	Duration of project	Project Manager / Contractor	
							Domestic / general waste to be disposed of at the closest registered / licensed municipal waste site.	Duration of project	Project Manager / Contractor	
							<ol style="list-style-type: none"> 1. Waste disposal register to be completed for waste disposal and kept on site in environmental and safety file. 2. Retain all waste disposal documentation / records 3. Report waste disposal figures to BU Env Dept. 	<p>Duration of project</p> <p>Duration project / project completion</p>	Project Manager / Contractor	
25	WASTE MANAGEMENT	Hazardous waste including but not limited to asbestos containing material, silica gel, PCBs, oil and oil contaminated soils and materials, chemicals, old herbicides and herbicide containers, pesticides, building rubble contaminated with hazardous waste types, etc.	Hazardous waste are dangerous to humans and animals, causing land, water and ground water pollution. Incorrect handling and disposal may lead to claims against the business and legal contraventions.	HIGH	Hazardous waste is identified and stored, transported and dispose according to legal and other requirements.	0 Legal contraventions	<ol style="list-style-type: none"> 1. Hazardous waste must be identified and disposed off at a registered hazardous waste site by an hazardous waste contractor. 2. Disposal certificates, waste manifest and weigh bridge receipts must be obtained and available. 3. Copies of any disposal certificate must be submitted to BU Environmental Dept. and records kept in Environmental and safety file. 4. All waste disposal figures must be report to the BU Env Dept 5. A waste disposal control register must be kept on site at all times with disposal figures recorded 	1 - 5 Duration of project	1-5 Project Manager / Contractor	

26	OIL MANAGEMENT	Planning for oil management activities on site.	<p>Incorrect / poor oil management practices can lead to serious ground, ground water / surface water pollution.</p> <p>Oil spill causes serious environmental damage and can lead to health and safety risks for humans and animals.</p> <p>Oil spill that caused damage to the environment and or private property can lead to legal contravention, claims and rehabilitation costs for the business.</p>	HIGH	<p>To ensure that correct planning of oil management activities forms part of the scope of work of any project to minimise and avoid pollution incidents.</p> <p>To ensure all legal requirements are identified well in advance to ensure authorisation, permits are obtained prior to the start of such a project where required .</p> <p>To avoid costly delays in projects while waiting to obtain permits and authorisations.</p>	0 Legal Contraventions	<p>1. Identify activities involved in oil management in scope of work before project commence.</p> <p>2. Complete a risk assessment prior to the start of project on the management of all oil spillages, storage, disposal activities. The risk assessment must be verified and signed off by the BU Environmental professional.</p> <p>3. Establish quantities of oil to be used, stored on or disposed from site.</p> <p>4. Ensure that an EPP for oil management on site is in place.</p> <p>5. Ensure that an oil management plans is in place and forms part of the project EMP.</p>	<p>Before project starts</p> <p>Duration of project</p> <p>Duration of project</p> <p>Before project starts</p> <p>Before project starts</p>	1-5 Project Manager / Contractor	
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27	Oil Management	<p>The maintenance, leaks or explosion of Power transformers: CVTs, CTs ,VTs and breakers;CVTs, CTs ,VTs and breakers.</p> <p>Oil leaks from transportation vehicles, vehicles with hydrolic cranes, etc.</p>	<p>Incorrect / poor oil management practices can lead to serious ground, ground water / surface water pollution.</p> <p>Oil spill causes serious environmental damage and can lead to health and safety risks for humans and animals.</p> <p>Oil spill that caused damage to the environment and or private property can lead to legal contravention, claims and rehabilitation costs for the business.</p>	HIGH	<p>To ensure that all oil spills are reported and that reasonable measure are in place from the incident continuing, recurring.</p> <p>To ensure that the contaminated site is rehabilitated and cleaned up according to all legal requirements, policies and procedures.</p>	0 Legal Contraventions	<p>1. All oil spills must be reported within 24 hours of occurrence to the project manager and relevant BU Environmental Department.</p> <p>2. Small oil spills must effectively be cleaned up by using an oil spill clean-up kit on site.</p> <p>3. For large oil spill and registered oil spill clean-up consultant must be appointed.</p> <p>4. The site must be cleaned and rehabilitated where necessary.</p> <p>5. An incident register must be kept on site where all environmental incidents must be captured (including oil spills).</p>	1-5 Duration of project	1-5 Project Manager / Contractor	

28	OIL MANAGEMENT	Oil disposal	Oil spill that caused damage to the environment and or private property can lead to legal contravention, claims and rehabilitation costs for the business.	HIGH	To ensure that all oil is treated as hazardous waste and disposed according to legal and other requirements.	0 Legal Contraventions	1. Oil used on site or any oil contaminated material, soil, water, etc. are regarded as hazardous waste and need to be disposed of by a registered hazardous waste consultant to a registered hazardous waste site. 2. On collection of oil / oil contaminated material the appointed contractor must issue a waste manifest for which all detail, such as quantity, dates, site names, etc. must be recorded correctly. 3. After waste disposal a waste disposal certificate, weigh bridge receipt, etc must be obtained from the appointed consultant and details must once again be checked and verified for correctness. 4. Copies of these records must be given to the relevant BU Environmental Department.	1-5 Duration of project	1-5 Project Manager / Contractor	
29	OIL MANAGEMENT	Oil Bunds	Incorrect / poor oil management practices can lead to serious ground, ground water / surface water pollution. Oil spill causes serious environmental damage and can lead to health and safety risks for humans and animals. Oil spill that caused damage to the environment and or private property can lead to legal contravention, claims and rehabilitation costs for the business.	HIGH	Oil bunds can be used as a reasonable mitigation measure to contain an oil spill and prevent it from spreading to a larger areas.	0 Legal Contraventions	1. The use / construction of temporary / permanent oil bund will be based on the outcome of the risk assessment for the project oil management activities on site. 2. This will be approved in the form of method statements during the SHE evaluation and assessment	Duration of project Before project start	Project Manager / Contractor BU Env Dept	
30	OIL MANAGEMENT	Oil dams	Incorrect / poor oil management practices can lead to serious ground, ground water / surface water pollution. Oil spill causes serious environmental damage and can lead to health and safety risks for humans and animals. Oil spill that caused damage to the environment and or private property can lead to legal contravention, claims and rehabilitation costs for the business.	HIGH	To ensure that where oil dams that are build, maintained, cleaned and or refurbished complies with all relevant legal requirements, policies and procedures and current Eskom specification.	0 Legal Contraventions	1. New oil dams to be build on a substation site, or refurbished must be done according to the scope of work and Eskom specifications. 2. The use / construction of an oil dam / trap on a substation site as containment for an possible oil spill as part of reasonable preventative measures will be based on the outcome of the risk assessment for the project oil management activities on site. 3. Oil dams to be cleaned and checked for structural damage periodically	1-3 Duration of project	1-3 Project Manager / Contractor	

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NR	ACTIVITY	ASPECT	IMPACT	SIGNIFICANCE	OBJECTIVE	TARGET	MEANS / METHOD STATEMENT	DUE DATE	RESPONSIBLE PERSON	COMPLETION DATE
31	OIL MANAGEMENT	Oil storage	Incorrect / poor oil management practices can lead to serious ground, ground water / surface water pollution. Oil spill causes serious environmental damage and can lead to health and safety risks for humans and animals. Oil spill that caused damage to the environment and or private property can lead to legal contravention, claims and rehabilitation costs for the business.	HIGH	To ensure that oil storage on site is done according to legal requirements, policy and procedures.	0 Legal Contraventions	Oil storage practices during projects will be based on the following requirements: 1. Legal Requirements 2. Outcome of risk assessment completed and verified prior to the start of the project. 3. Volumes stored and duration of storage	Duration of project	Project Manager / Contractor	
32	Supply Top-Up Oil for the Transformer	Oil handling and storage	Oil contamination to natural environment. Potential of hydrocarbon contamination of ground due to spillage or leaks If oil is not stored on a non-bunded area or impermeable surface will cause hydrocarbon contamination on both ground and water surface	HIGH	To prevent environmental pollution	0 Legal Contraventions	1. No oil leaks, 2. Oil leaks to be cleaned with spillage kit. 3. All oil contaminated material to be disposed as hazardous waste by hazardous waste contractor	1-3 Duration of project	1- 3 Project Manager / Contractor	
33	Drain Into Bags (PCB), ISO Tanks	Use of vacuum pipe. Workers with hand tools	Oil contamination to natural environment and ground and water bodies	HIGH	To minimise oil pollution on the natural environment	0 Legal Contraventions	1. No oil leaks. 2. Ensure that PCB contaminated oil is disposed on the registered hazardous waste landfill site. 3. Safe disposal certificates to be obtained from accredited service provider. 4. PPE to be used It is highly recommended that ISO tanks that are certifies must be used to drain and transport old oil	1- 4 Duration of project	project Manager / Contractor	

34	Remove Oil From Existing Transformer	Handling of transformer oil	Oil spillage to the natural environment and possible injury to workers	HIGH	Minimize oil spillage to the natural environment and possible injury of pennell during pumping of transformer oil.	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles. 3. All personnel to wear proper PPE 4. When pumping existing oil from the transformer. 5. Test transformer oil for PCB Levels.	Duration of project	1-4 Project Manager / Contractor	
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NR	ACTIVITY	ASPECT	IMPACT	SIGNIFICANCE	OBJECTIVE	TARGET	MEANS / METHOD STATEMENT	DUE DATE	RESPONSIBLE PERSON	COMPLETION DATE
35	PCB MANAGEMENT	Loading of PCB contaminated soil . PCB contaminated soil run-off due to rain.	Handling, exposure and disposal of PCB containing substances. Land, Water, Pollution. Negative impact on wildlife . Health risks	HIGH	To ensure that PCB containing substances are managed according to legal and other requirements To avoid environmental pollution and health risks associated with PCB exposure.	0 Legal Contraventions	1. Ensure that contractors and vendors are trained and accredited in the handling, transport, storage & disposal of PCB containing substances. 2. Ensure that contractors / vendor staff working with PCB equipment / plant have the relevant HAZMAT training. 3. If working with capacitor banks check for damaged / leaking capacitor cans. 4. Store leaking capacitor cans in recovery bags (300 micron) with Peatsorb and seal bag to prevent PCB from leaking.	1-4 Duration of project	1-4 Project Manager / Contractor	
36	PCB MANAGEMENT	Loading of PCB Capacitors	Handling, exposure and disposal of PCB containing substances. Land, Water, Pollution. Negative impact on wildlife . Health risks	HIGH	To ensure that PCB containing substances are managed according to legal and other requirements To avoid environmental pollution and health risks associated with PCB exposure.	0 Legal Contraventions	1. Ensure that contractors and vendors are trained and accredited in the handling, transport, storage & disposal of PCB containing substances. 2. Ensure that contractors / vendor staff working with PCB equipment / plant have the relevant HAZMAT training. 3. If working with capacitor banks check for damaged / leaking capacitor cans. 4. Store leaking capacitor cans in recovery bags (300 micron) with Peatsorb and seal bag to prevent PCB from leaking.	1-4 Duration of project	1-4 Project Manager / Contractor	

37	SF6 MANAGEMENT	Sulphor Hexa Fluoride (SF6) Gas Insulated Breakers	SF6 gas is a greenhouse gas contributing negatively to climate changes and in large volumes may have health and safety risks when inhaled	HIGH	To ensure compliance to legal and other requirements and prevent environmental, health and safety impacts.	0 Legal Contraventions / 0 Safety incidents	1. Equipment must be checked for SF6 gas leaks and it must be reported on an Environmental Incident Notification form. 2. SF6 gas cylinders should be weighed before and after FS6 gas usage and differences recorded. 3. SF6 purchases and disposal should also be recorded. 4. Disposal of SF6 gas cylinders must be done by a Hazardous waste consultant and the disposal certificate obtained and submitted to BU Env Dept.	1-4 Duration of project	1-4 Project Manager / Contractor	
38	CHEMICAL SUBSTANCE MANAGEMENT	Incorrect storage of Solvents, chemical substances & Paints	Health hazard to humans and environmental pollution	MEDIUM	To ensure that solvent and paints are stored in accordance with legal and other requirements.	0 Legal Contraventions	1. To store all solvents, chemical substances and paints in appropriate storage areas / facilities where chemical / solvent registers are available and updated. 2. The temporary storage of Nitrogen gas cylinders in workshop must be chained to wall (empty / full one). 3. To ensure conformance with Environmental EPP Procedure to address spillages. 4. To ensure MSDS are available at areas where such products are stored and meets the 16 point requirements as set by the OSH Act (1993). 5. To store hazardous chemicals substances which may cause a spillage in banded areas. 6. To label demarcated hazardous chemical store.	1-6 Duration of project	1-6 Project Manager / Contractor	

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39	ARCHEOLOGICAL SITES	Disturbance and damage to archeological sites when doing line inspection/maintenance / project activities .	Could lead to sosial impact on communities involved and litigation.	HIGH	Ensure archeological site are not disturbed or damaged.	0 Legal Contraventions	1. Identify and communicate areas where archeological sites are present on the servitude / site. 2. Take necessary measures to avoid such sites. 3. Ensure records area kept on location of sites.	1. Before and duration of project 2. Duration of projects 3. Duration of projects	1-3 Project Manager / Contractor	
40	MOVEMENT IN SENSITIVE AREAS	Incorrect movement of vehicles / unlawful trespassing during project in sensitive areas could lead to social issues with land owners and damage and or pollution to the natural environment. Protected areas / sensitive ecosystems: National parks Privately owned game reserves / farms Rivers / riverbanks 500m from Wetlands / water bodies Proclaimed protected areas Graves sites	Land owners could refuse/restrict access to their properties. Pollution, erosion, damage to the environment.	HIGH	Ensure that no damage in sensitive area to the natural environment takes place. Legal requirements are adhered to	0 Legal Contraventions	1. Tx Landowner Approval certificate / consent form must be completed and signed off by contractor / site supervisor / landowner before and on completion of project 2. Identify and obtain all relevant permits required i.t.o. legislation prior to the start of any project activity. 3. To include sensitive / protected areas in scope of work for relevant bush clearing programmes	1. Before entering servitude / private property 2. Before leaving servitude / private property after work completion Before project starts / kick-off 3. On task order award for project activity to start	Project Manager / Contractor BU Env Dept Project Manager	

41	EQUIPMENT MANAGEMENT	Cleaning of Machinery	Chemical pollution is caused by vehicle oils, grease or solvents. Chemical pollution to the environment can lead to a legal contravention and	MEDIUM	To ensure that no machinery is maintained / Cleaned in the servitude / on substation that can result to pollution	0 Legal contraventions and landowner complaints	1. By inspecting machinery prior to maintenance / project activity starting. 2. Not to make use of the incorrect tools for the job and not to make use of malfunctioning machinery. 3. To ensure all staff and contractors are sufficiently trained in using the machinery correctly. 4. Have records where relevant available in SHE (environmental) file	1-4 Duration of project	1-4 Project Manager / Contractor	
42	Civil Works: Establishment of Construction Camps and Store, Off - Loading Construction Material and Equipment	Site Establishment	Potential negative on the indigenous vegetation when clearing the land for site establishment. Possible damage to construction equipment that might cause contamination of the natural environment, air t, ground and surface water	HIGH	To minimise water wastage and pollution of land and water	0 Legal contraventions and landowner complaints	1. No camp sites on servitudes / private property or Eskom sites without written consent from landowners / Eskom Management. 2. Camp sites must not be located next 100 year flood line of the stream or the river. And 300 meters of the geo-hydrological gradient of the surface water. 3. Ensure proper effluent / sewerage management and implemented. 4. Ensure that all equipments are inspected for possible leaks. 5. Ensure sites have good housekeeping and kept clean	1-5 Duration of project	1-5 Project Manager / Contractor	

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43	DELIVERY MATERIALS	Heavy vehicles	Oil contamination to natural environment. Potential of hydrocarbon contamination of ground due to spillage or leaks	HIGH	To prevent or minimise pollution incidents resulting from delivery of materials from heavy vehicles	0 Legal Contraventions	No oil leaks, oil leaks to be cleaned with spillage kit. All oil contaminated supersorb to be disposed as hazardous waste.	Duration of project	Project Manager / Contractor	
44	EARTHMAT	The use of Heavy vehicles. Workers with hand tools	Oil contamination to natural environment. Poor topsoil can result in disturbed areas prone to erosion and invasion of alien plants or bush encroachment possible injury	HIGH	To minimise oil pollution on the natural environment	0 Legal Contraventions	No oil leaks,PPE to be used Should and oil spill occur oil spill kit must be used and contaminated super zorb to be disposed at a registered facility.	Duration of project	Project Manager / Contractor	
45	Protection, Delivery of ERTU Cabling and Panels	Heavy vehicles: Oil and lubricants, Exhaust fumes Packaging materials	Oil contamination natural environment and illegal disposal of the packaging material on the natural environment	HIGH	Minimize contamination to the environment, minimize air pollution	0 Legal Contraventions	Ensure only licenced drivers are driving delivery vehicles, all waste to be stored on the proper waste facilities.	Duration of project	Project Manager / Contractor	
46	Off-Loading of ERTU Equipment	Oil and lubricants, Exhaust fumes Packaging materials damage to equipment or infrastructure). Incorrect storage of equipment	Oil contamination natural environment and illegal disposal of the packaging material on the natural environment	HIGH	Minimize contamination to the environment, minimize air pollution	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles.	1-2 Duration of project	Project Manager / Contractor	
47	Excavate new foundations	Heavy vehicles	Oil contamination natural environment	HIGH	Minimize contamination to the environment, minimize air pollution	0 Legal Contraventions	1. Top soil excavated may not be removed from site/s without a permit. 2. No archeological found must be destroyed during the excavation process 3. Top soil from excavations must be stored on site and used for backfilling where required 4. Care should be taken to store topsoil and ensure it does not become contaminated with hazardous material eg) oils	1-4 Duration of project	1-4 Project Manager / Contractor	

48	Backfilling of foundation and trenches and storm water drainage	Compacting machinery workers with hand tools	Possible hydrocarbon contamination with from heavy machinery into the natural environment	HIGH	minimize hydrocarbon contamination to the natural environment, minimize air pollution	0 Legal Contraventions	1. Backfilling must be done according to method statements 2. Backfilling and soil compacting must be done to prevent erosion from occurring after excavations 3. Only use uncontaminated backfilling material 4. Backfilling material brought into site/s must meet legal and other requirements	1-4 Duration of project	1-4 Project Manager / Contractor	
49	Place steel work into the foundation	Steel off-cuts and steel cutting and gridding	Illegal dumping of steel off-cut waste on the natural environment	HIGH	Ensure that steel off-cuts are stored and disposed in an environmentally friendly manner	No steel off-cuts are disposed on the natural environment	1. Ensure that the site has adequate waste receptors to store waste prior transportation. 2. All recyclable waste to be recycled with licensed recyclers.	1-2 Duration of project	1-2 Project Manager / Contractor	
50	Connect earthing to steel work	Weildind and brazing	Possible fire veld due to uncontrolled sparks	HIGH	Ensure that welding is controlled	No veld fires are started due to welding activity / 0 Legal contraventions	All welding areas to have serviced fire extinguishers and all workers to be trained, to use fire extinguisher in the event of fire.	Duration of project	Project Manager / Contractor	

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51	Reistate yard stone	Heavy machinery and workers with rakes	Oil spillage to the natural environment and possible injury to workers	MEDIUM	Minimize oil spillage to the natural environment	0 Legal Contraventions	1. All personell to wear appriate PPE when working on site 2. Stockpiling yard stone to prevent contamination	1-2 Duration of project	1-2 Project Manager / Contractor	
52	Stringing & Cabling, Measure & Cut to size to fit clamps	Hand tools and cable off -cuts	Proper disposal & storage of cable off-cuts	HIGH	All waste to be managed in an environmentally sound manner	0 Legal Contraventions	Adequate waste facilities to be available on site to store waste material.	Duration of project	Project Manager / Contractor	
53	Cast blinding layer	Use of concrete	Possible concrete spillage during construction.	HIGH	All concrete spills to managed	0 Legal Contraventions	All concrete spills to cleaned before completion of shift	Duration of project	Project Manager / Contractor	
54	Dismantling of existing transformer	Crane trucks & Engine & Hydraulic oil	Possible hydrocarbon contamination with from heavy machinery into the natural environment	HIGH	Minimize hydrocarbon contamination to the natural environment, minimize air pollution	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles.	Duration of project	Project Manager / Contractor	
55	Moving existing transformer to spare split	Transformer and hydraulic oil	Possible hydrocarbon contamination from heavy machinery into the natural environment	HIGH	minimize hydrocarbon contamination to the natural environment, minimize air pollution	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles. 3. All personnel to wear proper PPE When pumping existing oil from the transformer.	1-3 Duration of project	1-3 Project Manager / Contractor	
56	Remove fittings and fixtures from the transformer	Electrical cables	Improper disposal of old electrical cables	HIGH	All old electrical cables to be disposed in an environmentally sound manner	0 Legal Contraventions	1. Ensure that Eskom Scrapping procedure to be followed and all personnel working on the transformer to be suitably qualified. 2. All waste to be diposed on the registered landfill sites.	1-2 Duration of project	1-2 Project Manager / Contractor	

57	Extract and ventilate the remaining oil and gases from existing transformer	Flammable oil and gases	Possible contamination to the environment and fire hazard.	HIGH	No contamination to the natural environment	No pollution to the natural environment	1. All personell to wear appriate PPE when working on site, 2. The site to have serviced fire exstinguishers	1-2 Duration of project	1-2 Project Manager / Contractor	
58	Draw vaccum on the transformer	Transformer oil	Possible contamination to the environment.	HIGH	No contamination to the natural environment	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles. 3. All personnell to wear proper PPE When pumping existing oil from the transformer.	1-3 Duration of project	1-3 Project Manager / Contractor	
59	Build bundwall infront of the transformer	Oil spill prevention methods	Possible oil contamintion of the natural environment	HIGH	No contamination to the natural environment	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles. 3. All personnell to wear proper PPE When pumping existing oil from the transformer.	1-3 Duration of project	1-3 Project Manager / Contractor	
60	Refill transformer with new oil	Transformer oil	Possible contamination of natural environment with transformer oil	HIGH	No contamination to the natural environment	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles. All personnell to wear proper PPE 3. When pumping existing oil from the transformer.	1-3 Duration of project	1-3 Project Manager / Contractor	

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61	Circulate transformer oil with required specifications	Transformer oil Filtering	Possible contamination of natural environment with transformer oil	HIGH	No Contamination to the natural environment	0 Legal Contraventions	1. Ensure that the site has spillage kit and the personel are trained how to deal with small to medium spillages. 2. Only licensed drivers must operate construction vehicles. 3. All personnell to wear proper PPE When pumping existing oil from the transformer.	1-3 Duration of project	1-3 Project Manager / Contractor	
62	Battery & Charger	Delivery and assembling of lead acid (hydrachrolic) battery and charger	Acid spills due to incorrect offloading could lead to corrosion damage	MEDIUM	Correct handling acid batteries during offloading	No battery spills / 0 Legal Contraventions	1. Driver must be licenced and accredited to operate the crane 2. Treat Battery acid spillage with Bicarbonate of Soda to neutralise 3. Report acid spillage to BU Env Dept 4. Dispose any contaminated material from battery acid spillage according to legal and other requirements 5. All personnell involved in the assembling of batteries to be suitably accredited to perform the duties	1-5 Duration of project	1-5 Contractor / Eskom	

63		Replacement of lead acid (hydraurohric) battery and charger	Illegal dumping of lead acid (hydraurohric) battery could results to water pollution and possible health risk		All battery cells returned to the supplier for recovery or recycling	No battery spills / 0 Legal Contraventions	1. Return all redundant battery cells to the supplier 2. Ensure that all the used acid polygans are returned to the supplier 3. Report acid spillage to BU Env Dept 4. Dispose any contaminated material from battery acid spillage according to legal and other requirements	1-5 Duration of project	1-5 Contractor	
64	Redundant equipments (Circuits breakers, VT's , CT's, earth switches ,isolators and Surge Arrestors)	Disposal of redudant equipments	Inappropriate management of underrated equipments could result to legal contravention (illegal dumping)	MEDIUM	Comply with legal & other requirements on the disposal of waste	100% Compliance according to legal and other rEskom requirements	1. Project Department to liaise with Investment Recovery regarding the management (scrapping) of redudant equipments 2. To follow Tx Asset Management / Disposal process 3. Ensure that the contractor is evaluated by Tx environmental Department before tender award	1-3 Duration of project	1-3 Project Manager / Contractor	
65	REHABILITATION	Land rehabilitation	Failure to rahabilitate the area may results negatively on the environment e.g soil erosion	MEDIUM	Rehabilitate disturbed areas at the completion of the contract	All disturbed areas successful rehabilitated after completion of contract	1. Identify indigenus plant for replanting and avoid invader plants 2. All required disturbes, damaged, degraded or polluted areas must be rehabilitated on project completion 3. Rehabilitation method statements can be obtained from BU Env Department for rehabilitation specifications required. 4. Only indigenus vegetation to be used for rehabilitation of required areas and responsible persons to be changed accordingly	1-4 Duration of project	1-4 Contractor	
66	FIRE MANAGEMENT	Starting of fires due to negligence	Damage to property, fatalites of people and animals / livestock, legal contraventions, claims	HIGH	To avoid fires from Eskom activities / negligence	0 Legal contraventions / claims / safety incidents	1. No fires allowed to be made on any Eskom site / private property in servitudes 2. Risk assessments to be done for all project activities and precautions / preventative measures to be taken for activities which may pose a fire risk 3. Ensure EPP address fire risks 4. Have emergency contact details in place.	1-4 Duration of project	1-4 Contractor	

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67	ADMINISTRATION	Environmental & Safety File	Non compliance to legal requirements and non conformance to other requirements and conditions set out in the EMP can lead to severe impacts resulting from the list of aspects identified. Failure to keep relevant and required documents for record purposes can lead to legal contraventions, civil and financial liability Failure to comply with the EMP and other Eskom requirements will result in the issuing of an NCR against the contractor.	HIGH	Ensure documentation system is maintained	0 Legal contraventions / claims / safety incidents	1. Update documents as activities takes place. 2. Keep all records and documentation with regards to project. 3. Submit reports as required after inspections/investigations/and completion of work. 4. All Environmental incidents to be reported.	1-4 Duration of project	1-4 Project Manager / Contractor	
68	REPORTING	Recording and reporting of Environmental related incidents	Failure to report could have a major impact on the environment, human health and well being and could lead to mitigation measures not taken	HIGH	Ensure all incidents are recorded and reported	0 Legal contraventions / claims / safety incidents	1. To keep and SHE incident register on site 2. To record and report all SHE incidents within 24 hours to Project Manager / BU Env Dept	1-2 Duration of project	1-2 Project Manager / Contractor	
69	HANDLING OF CONSTRUCTION RUBBLE/WASTE	Incorrect storage and disposal of waste	Oil contamination to natural environment.	Medium	To prevent or minimise pollution incidents resulting from the storage and disposal of construction rubble/waste	During construction	1. Rubble to be stored in demarcated area. 2. Ensure no water resources are contaminated ensure no lead degradation due to incorrect storage Disposal to take place at legal site	During and after construction	Project manager/Contractor	
70	ASBESTOS MANAGEMENT	Handling of asbestos and asbestos containing material. Asbestos has a negative impact on the environment and human health and well-being & pollution could be caused and legislation contravened if not managed according to legal requirements.	Pollution to soil, and water resources could be caused and affect human health and well-being and possible legal contravention.	HIGH	Broken asbestos is handled according to legal & other requirements.	0 Legal contraventions	1. Employees / Contractors are trained on all requirements of handling asbestos (trained and permitted by the Dept of Environmental Affairs(Dept. of Agriculture & Forestry (Department of Forestry , Fisheries and the Environment - DFFE and Dept of Labour). 2. Asbestos containing material must be confirm on sites before work on building maintenance and trench cover replacements are started and corresponding responsible persons	Duration of project Before and duration of project	1 -2 Project Manager / Contractor	

* This EMP should be used as a guideline to assist Project Managers / Contractors / Vendors in compiling their project specific EMP*
 The contents of this EMP is not limited and the responsibility remains with the relevant supplier / contractor to ensure all project specific activities and legislation (including local by-laws) have been identified and managed
 *The purpose of this EMP is to provide a guideline to manage project activities that are not subjected to the EIA process i.t.o. National Environmental Management Act, 1998 (Act No.107 OF 1998) Environmental Impact Assessment Regulations (2014)

NR	ACTIVITY	ASPECT	IMPACT	SIGNIFICANCE	OBJECTIVE	TARGET	MEANS / METHOD STATEMENT	DUE DATE	RESPONSIBLE PERSON	COMPLETION DATE
71	SANITATION	Regular monitoring of sanitation (portable toilets) to prevent pollution to soil and ground water resources	Hazardous waste are dangerous to humans and animals, causing land, water and ground water pollution. Incorrect handling and disposal may lead to customer complains and claims against the business and legal contraventions.	MEDIUM	To ensure that non compliances or NCRs are picked up during construction activities and rectified / mitigated a.s.a.p. after it occurred. Chemical waste is transported and dispose according to legal and other requirements.	0 Legal Contraventions	1. Portable toilets should be made available for use on site if required, to accommodate the number of employees working on site. Permission to be obtained from Eskom to make use of facilities on site. 2. The removal or sewerage from chemical toilet shall be done by licenced service providers. 3. Service providers shall only make use of licenced waste water treatment facilities 4. The contractor shall submit sewerage waste disposal figures and safe disposal certificates to the relevant BU Environmental Dept	1-4 Duration of project	Project Site Supervisor 2-4 Project Site Supervisor / BU Environmental Professional.	
72	ACTIVITIES WITHIN 500M RADUIS OF A WATERCOURSE	Licences, General Autorization issued by Dept of Water Affairs and Sanitation to be in place before work starts	Activities within 500 meters of any watercourse (river, spring, natural channel, wetland, lake or a dam) may lead to legal contraventions and claims against the business.	HIGH	Compliance with legal requirements	0 Legal Contraventions	Comply to directive issued by Water Affairs.	Duration of project	L&S Technical Adviser / BU Environmental Professional.	
73	TRAINING	Environmental Training & Awareness of contractors.	Lacking environmental awareness / knowledge of Eskom Transmission and other relevant environmental legal requirements may lead to legal contravention, damage to the environment and private property that may result into disputes and claims with landowners.	HIGH	To ensure contracts are aware of environmental requirement i.t.o. the EMP and environmental legal and other requirements	0 Legal Contraventions	1. Environmental Induction Training must be provided to all contractors who will be conducting work for this project. 2. Attendance Registers of this induction training must be kept by the project manager and copies included in the contractor's Environmental & Safety file 3. Environmental Requirements can be highlighted daily during the toolbox talks to refresh workers minds on what is required. 4. Relevant training requirements must be identified and be applicable to the scope of work of each project prior to the start of the project.	1-4 Duration of project	1-4 Project Manager / Contractor	
74	SOIL EROSION	The incorrect activities in areas, which are prone to erosion, can lead to serious erosion. This can eventually make the entire area inaccessible.	Erosion on comunal properties can affect the landowner's carrying capacity, and affect Eskom infrastructure that could lead to Quality of supply been affected to customers as well as replacement and rehabilitation cost.	HIGH	To ensure that activities which may lead to erosion are identified and managed to avoid or minimise further erosion from resulting and adhere to relevant legal requirements.	0 Legal Contraventions	1. By identifying activities that may cause erosion. 2. By assessing site/s for existing erosion and to avoid these areas if and where possible. 3. By removing vegetation selectively and compacting soil after excavation activities. 4. To rehabilitate areas of erosion caused by project activities.	Duration of project	Project Manager / Contractor and ECO	

Review Date

* This EMP should be used as a guideline to assist Project Managers / Contractors / Vendors in compiling their project specific EMP*
*The contents of this EMP is not limited and the responsibility remains with the relevant supplier / contractor to ensure all project specific activities and legislation (including local by-laws) have been identified and
*The purpose of this EMP is to provide a guideline to manage project activities that are not subjected to the EIA process i.t.o. National Environmental Management Act, 1998 (Act No.107 OF 1998) Environmental Impact Assessment

Transmission Project Manager		Transmission Environmental Representative
Name & Surname		Name & Surname
Signature		Signature
Date		Date

CONTRACTORS DETAILS

I.....(Name of Contractor), accept the above Environmental Management Plan and acknowledge having read and understood my responsibilities.

SIGNATURE		DATE
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CONTACT DETAILS

PROJECT MANAGER/ SITE REPRESENTATIVE (NAME)

SIGNATURE		DATE
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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective
240-113766234 - Environmental Requirements for Contractors and/or Supplier			
240-113766234 - Environmental Requirements for Contractors and/or Supplier			
240-113766234 - Environmental Requirements for Contractors and/or Supplier Contractor Environmental Pre Work Assessment 240-151560800			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			
National Environmental Management Act, Act 107 of 1998 Section 28 Duty of care and remediation of environmental damage. -National Environmental Management: Biodiversity Act 10 of 2004 - Threatened or Protected Species Regulations, 2007 - Apply for permits for restricted activities involving specimens of listed threatened or protected species in accordance with these Regulations. - National Forests Act, 1998 - Notice of the List of Protected Tree Species Under the National Forests Act, 1998 (Act no. 84 of 1998), 2014, Section 15(1) no person may cut, disturb, damage or destroy any protected tree or possess, collect, remove, transport, export, purchase, sell, donate or in any other manner acquire or dispose of any protected tree or any forest product derived from a protected tree, except under a licence or exemption granted by the Minister to an applicant and subject to such period and conditons as may be stipulated.			
National Environmental Management Act, Act 107 of 1998 Section 28 Duty of care and remediation of environmental damage. - Environment Conservation Act 73 of 1989 s31a - Conservation Of Agricultural Resources Act, 43 of 1983 , 5. Prohibition of the spreading of weeds - Conservation Of Agricultural Resources Act, 43 of 1983 - Regulations (GNR 1048)- Part II: Weeds And Invader Plants - National Environmental Management: Biodiversity Act, 10 of 2004, 65. Restricted activities involving alien species, 66,67,68 - National Environmental Management: Biodiversity Act 10 of 2004 - Alien and Invasive Species Regulations, 2014: Part 2-6 - National Environmental Management: Biodiversity Act 10 Of 2004: Alien And Invasive Species Lists, 2016 -			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective

<p>Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 36 of 1947 , Se 3. Registration of fertilizers, farm feeds, agricultural remedies, stock remedies, sterilizing plants and pest control operators</p> <p>- Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 36 of 1947 - GN R98 - Pest Control Operator Regulations , 12. Responsibilities of pest control operators, 14. Offences and penalties and 13. Records to be kept-</p> <p>- National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage. duty of care on every person to prevent and Sec 30. Control of emergency incidents</p> <p>- National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents</p> <p>- Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids</p> <p>- National Environmental Management: Waste Act, 59 of 2008, Sec 26. Prohibition of unauthorised disposal</p>			
<p>Environment Conservation Act 73 of 1989 s31a</p> <p>- National Environmental Management Protected Areas Act 57 Of 2003, Sec 9. Kinds of protected areas, 17. Purpose of protected areas, Part 1 - Special nature reserves, Part 3 - Nature reserves, Chapter 4 - Management Of Protected Areas and chapter 6- Acquisition of right in or to land</p> <p>- National Environmental Management: Protected Areas Act, 57 Of 2003 - Regulations For The Proper Administration Of Special Nature Reserves, National Parks And World Heritage Sites , Part 3 - Access to special nature reserves, national parks and world heritage sites and Part 5 - Activities that may be carried out in terms of section 50</p> <p>- National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents</p> <p>-National Heritage Resources Act, 25 of 1999, S</p>			
<p>Eskom Access to Farms Standard (32-1173)</p> <p>-Conservation of Agricultural Resources Act, 43 of 1983</p> <p>-TRANSMISSION SERVITUDE GATES STANDARD GUIDELINE - 240-125383430</p>			
<p>Fencing Act , 31 of 1963, Sec 22 leaving gates open</p> <p>- Eskom Access to to Farms Standard (32-1173)</p>			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS	
	Fully effective	Partially effective

Eskom Access to to Farms Standard (32-1173) -Conservation of Agricultural Resources Act, 43 of 1983			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage. duty of care on every person to prevent L64			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS	
	Fully effective	Partially effective

<p>Provincial Nature Conservation Ordinances</p> <ul style="list-style-type: none"> - National Environmental Management: Biodiversity Act, 10 of 2004 - Publication of Lists of Critically Endangered, Endangered, Vulnerable and Protected Species (GN 389 - Publication of Lists of Species that are Threatened or Protected, Activities that are Prohibited and Exemption from Restriction) - National Environmental Management: Biodiversity Act 10 of 2004 - Threatened or Protected Species Regulations, 2007 			
<p>Provincial Nature Conservation Ordinances</p> <ul style="list-style-type: none"> - National Environmental Management: Biodiversity Act, 10 of 2004 - Publication of Lists of Critically Endangered, Endangered, Vulnerable and Protected Species (GN 389 - Publication of Lists of Species that are Threatened or Protected, Activities that are Prohibited and Exemption from Restriction) - National Environmental Management: Biodiversity Act 10 of 2004 - Threatened or Protected Species Regulations, 2007 			
<ul style="list-style-type: none"> - National Environmental Management Protected Areas Act 57 Of 2003, Sec 9. Kinds of protected areas, 17. Purpose of protected areas, Part 1 - Special nature reserves, Part 3 - Nature reserves, Chapter 4 - Management Of Protected Areas and chapter 6- Acquisition of right in or to land - National Environmental Management: Protected Areas Act, 57 Of 2003 - Regulations For The Proper Administration Of Special Nature Reserves, National Parks And World Heritage Sites , Part 3 - Access to special nature reserves, national parks and world heritage sites and Part 5 - Activities that may be carried out in terms of section 50 - National Environmental Management: Biodiversity Act, 10 of 2004 - Publication of Lists of Critically Endangered, Endangered, Vulnerable and Protected Species (GN 389 - Publication of Lists of Species that are Threatened or Protected, Activities that are Prohibited and Exemption from Restriction) - National Environmental Management: Biodiversity Act 10 of 2004 - Threatened or Protected Species Regulations, 2007 			
<ul style="list-style-type: none"> - National Environmental Management Protected Areas Act 57 Of 2003, Sec 9. Kinds of protected areas, 17. Purpose of protected areas, Part 1 - Special nature reserves, Part 3 - Nature reserves, Chapter 4 - Management Of Protected Areas and chapter 6- Acquisition of right in or to land - National Environmental Management: Protected Areas Act, 57 Of 2003 - Regulations For The Proper Administration Of Special Nature Reserves, National Parks And World Heritage Sites , Part 3 - Access to special nature reserves, national parks and world heritage sites and Part 5 - Activities that may be carried out in terms of section 50 - National Environmental Management: Biodiversity Act, 10 of 2004 - Publication of Lists of Critically Endangered, Endangered, Vulnerable and Protected Species (GN 389 - Publication of Lists of Species that are Threatened or Protected, Activities that are Prohibited and Exemption from Restriction) - National Environmental Management: Biodiversity Act 10 of 2004 - Threatened or Protected Species Regulations, 2007 			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS	
	Fully effective	Partially effective

<p>- National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.</p>			
<p>Eskom Waste Standard (32-245) - National Environmental Management Act, 107 of 1998 (NEMA), Sec 30. Control of emergency incidents - National Environmental Management: Waste Act, 59 of 2008, Sec 17. Reduction, re-use, recycling and recovery of waste, Sec 21. General requirements for storage of waste, Sec 22. Storage of general waste, Sec 24. Collection of waste, Se 25. Duties of persons transporting waste, Sec 26. Prohibition of unauthorised disposal and Sec27. Littering - National Environmental Management: Waste Act, 59 of 2008 - Waste Classification and Management Regulations, 2013 (GN R634) , Sec 4. Waste Classification and Sec 6. General - National Environmental Management: Waste Act, 59 of 2008 - National Waste Information Regulations, 2012 - Annexure 3 - General Waste Types For Reporting To The Sawis</p>			
<p>National Environmental Management Act 107 of 1998, Duty of Care Section 28 and Sec 30. Control of emergency incidents - Eskom Waste Standard (32-245) - National Environmental Management: Waste Act, 59 of 2008, Sec 17. Reduction, re-use, recycling and recovery of waste, Sec 21. General requirements for storage of waste, Sec 22. Storage of general waste, Sec24. Collection of waste, Sec 25. Duties of persons transporting waste, Sec 26. Prohibition of unauthorised disposal and Sec27. Littering - National Environmental Management: Waste Act, 59 of 2008 - Waste Classification and Management Regulations, 2013 (GN R634) , Sec 4. Waste Classification and Sec 6. General - National Environmental Management: Waste Act, 59 of 2008 - National Waste Information Regulations, 2012 , Annexure 4 - Hazardous Waste Types For Reporting To The Sawis - National Environmental Management: Waste Act, 59 of 2008 - Waste Classification and Management Regulations, 2013 (GN R634) , Sec 5. Safety Data Sheets - National Environmental Management: Waste Act 59 of 2008 - National Norms and Standards for the Storage of Waste (GN 926) , Sec 10. General Requirements of Waste Storage Containers - National Environmental Management : Waste Act 59 of 2008 - National Norms and Standards for Disposal of Waste to Landfill (GN R636) , Sec 5. Waste Disposal Restrictions</p>			

<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents</p> <ul style="list-style-type: none"> - National Environmental Management: Waste Act, 59 of 2008, Sec 16. General duty in respect of waste management, Sec 21. General requirements for storage of waste and Sec 25. Duties of persons transporting waste - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Hazardous Substances Act, 15 of 1973 - Declaration of Group I Hazardous Substances (GNR 452) - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - National Road Traffic Act, 93 of 1996 - National Road Traffic Regulations, 2000 - Chapter 8 - Transportation of Dangerous Goods and Substances by Road, Sect 277. Duties of Operator, Driver, Consignor and Consignee, Sec 278. Dangerous Goods to be Compatible, Sec 280. Driver to Undergo Training and Sec 281. Documents to be Held by Driver - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities -Hazardous Substances Act (15/73) Section 1 and 2 - classifies hazardous substances into Group I, Group II, Group III and Group IV hazardous substances. - Hazardous Substances Act (15/73) Regulation 453 – Disposal of hazardous chemical substance containers SANS Code of Practice 10228 - National Roads Act (54/71) Section 16 – Dumping of material on or near a national road 			
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<p>ed managed* sment Regulations (2014)*</p>			
COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective
<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage</p> <ul style="list-style-type: none"> - National Environmental Management Act, 107 of 1998 (NEMA), Sec 30. Control of emergency incidents - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities 			

<ul style="list-style-type: none"> - National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - National Road Traffic Act, 93 of 1996 - National Road Traffic Regulations, 2000 - Chapter 8 - Transportation of Dangerous Goods and Substances by Road, Sect 277. Duties of Operator, Driver, Consignor and Consignee, Sec 278. Dangerous Goods to be Compatible, Sec 280. Driver to Undergo Training and Sec 281. Documents to be Held by Driver - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities - Hazardous Substances Act (15/73) Regulation 453 – Disposal of hazardous chemical substance containers - SANS Code of Practice 10228 - National Environmental Management: Waste Act, 59 of 2008, Sec 24. Collection of waste, Se 25. Duties of persons transporting waste, Sec 26. Prohibition of unauthorised disposal and Sec27. Littering 			
<ul style="list-style-type: none"> National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage - National Environmental Management Act, 107 of 1998 (NEMA), Sec 30. Control of emergency incidents - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities 			
<ul style="list-style-type: none"> National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage - National Environmental Management Act, 107 of 1998 (NEMA), Sec 30. Control of emergency incidents - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities 			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective
<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents</p> <ul style="list-style-type: none"> - National Environmental Management: Waste Act, 59 of 2008, Sec 16. General duty in respect of waste management, Sec 21. General requirements for storage of waste - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities 			
<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents</p> <ul style="list-style-type: none"> - National Environmental Management: Waste Act, 59 of 2008, Sec 16. General duty in respect of waste management, Sec 21. General requirements for storage of waste - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities 			
<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents</p> <ul style="list-style-type: none"> - National Environmental Management: Waste Act, 59 of 2008, Sec 16. General duty in respect of waste management, Sec 21. General requirements for storage of waste - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids - Occupational Health and Safety Act, 85 of 1993 - Regulations for Hazardous Chemical Substances, 1995 Sec 3, 9-15 - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 , Sec 25. Use and temporary storage of flammable liquids on construction sites and Sec29. Fire precautions on construction sites - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities 			

<p>Occupational Health & Safety Act 85 of 1993 Sec 8 duties of employer</p> <ul style="list-style-type: none"> - National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage - NEM: Air Quality Management Act (39 of 2004, Notice 172 (Gazette 37421) - Kyoto Protocol to the United Nations Framework convention on climate change, Article 2 and Annexure A 			
<ul style="list-style-type: none"> - Basil Convention , Annexure 2,3 and article 4 and 12 , Rotterdam Convention Article 1,2 and 9 - National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage. duty of care on every person to prevent significant pollution or degradation of the environment or where it cannot reasonably be avoided, stopped or is authorised by law, to minimise and rectify such pollution or degradation. - National Environmental Management Act, 107 of 1998 (NEMA), Sec 30. Control of emergency incidents - National Environmental Management: Waste Act, 59 of 2008, Sec 16. General duty in respect of waste management - National Environmental Management: Waste Act, 59 of 2008, Sec 21. General requirements for storage of waste- National Environmental Management: Waste Act, 59 of 2008, Se 25. Duties of persons transporting waste - National Water Act, 36 of 1998, Sec 19. Prevention and remedying effects of pollution - National Water Act, 36 of 1998, Sec 20. Control of emergency incidents - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 4. Use and storage of flammable liquids 			

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sment Regulations (2014)*			
COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective
National Heritage Resources Act, 25 of 1999, Sec 35. Archaeology, palaeontology and meteorites			
National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			

<p>Eskom Waste Standard (32-245)</p> <ul style="list-style-type: none"> - National Environmental Management Act, 107 of 1998 (NEMA), Sec 30. Control of emergency incidents - National Environmental Management: Waste Act, 59 of 2008, Sec 17. Reduction, re-use, recycling and recovery of waste - National Environmental Management: Waste Act, 59 of 2008, Sec 21. General requirements for storage of waste, Sec 22. Storage of general waste, Sec 24. Collection of waste, Sec 25. Duties of persons transporting waste, Sec 26. Prohibition of unauthorised disposal and Sec27. Littering National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents - National Road Traffic Act, 93 of 1996 - National Road Traffic Regulations, 2000 - Chapter 8 - Transportation of Dangerous Goods and Substances by Road, Sect 277. Duties of Operator, Driver, Consignor and Consignee, Sec 278. Dangerous Goods to be Compatible, Sec 280. Driver to Undergo Training and Sec 281. Documents to be Held by Driver - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 , Sec 3. First aid, emergency equipment and procedures and Sec 2. Personal safety equipment and facilities - Hazardous Substances Act (15/73) Regulation 453 – Disposal of hazardous chemical substance containers SANS Code of Practice 10228 			
<p>Eskom Waste Standard (32-245)</p> <ul style="list-style-type: none"> - National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents - National Environmental Management: Waste Act, 59 of 2008, Sec 17. Reduction, re-use, recycling and recovery of waste - National Environmental Management: Waste Act, 59 of 2008, Sec 21. General requirements for storage of waste, Sec 22. Storage of general waste, Sec 24. Collection of waste, Sec 25. Duties of persons transporting waste, Sec 26. Prohibition of unauthorised disposal and Sec27. Littering 			
<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.</p>			
<p>National Veld And Forest Fire Act, 101 of 1998 , Sec 17. Readiness for fire fighting and Sec 18. Actions to fight fires</p>			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS	
	Fully effective	Partially effective Ineffective

National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.			
240-133087117 - Eskom Environmental Incident Management Procedure - Environmental Inspections Report for Substation - National Environmental Management Act 107 of 1998 section 28 Duty of Care and section 30 (Control of emergency incidents) - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents - 240-80662342 : Environmental Monitoring and Measurement work instruction			
National Environmental Management Act 107 of 1998, Duty of Care Section 28 and Sec 30. Control of emergency incidents - Eskom Waste Standard (32-245) - National Environmental Management: Waste Act, 59 of 2008, Sec 17. Reduction, re-use, recycling and recovery of waste, Sec 21. General requirements for storage of waste, Sec 22. Storage of general waste, Sec24. Collection of waste, Sec 25. Duties of persons transporting waste, Sec 26. Prohibition of unauthorised disposal and Sec27. Littering			
Environment Conservation Act, 73 of 1989 - Regulation for the Prohibition of the Use, Manufacturing, Import and Export of Asbestos and Asbestos Containing Materials (GNR. 341) - Section 2. Prohibitions, 4. Registration and Reporting, 5. Asbestos Phase-Out Plan, 6. Disposal of Asbestos or Asbestos Containing Material and 7. Packaging and Transport of Asbestos - SANS 10228: The identification and classification of dangerous goods for transport by road and rail modes - SANS 10229: Transport of dangerous goods - Packaging and large packaging for road and rail transport Part 1: Packaging - Compensation for Occupational Injuries and Diseases Act, 130 of 1993 (COIDA)- Sec 65-67 - Occupational Health and Safety Act, 85 of 1993 (OHSA) - Sec 13-15 - Occupational Health and Safety Act, 85 of 1993 - GN R1031 - General Safety Regulations, 1986 Sec 2. Personal safety equipment and facilities - Occupational Health and Safety Act, 85 of 1993 - Asbestos Regulations, 2001 - Sec 2-22 - Occupational Health and Safety Act, 1993 - Notice of Inclusion in terms of Section 43 (1) (b) (xii) of The Occupational Health and Safety Act, 1993 (AIA SANAS Accreditation) - National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage and Sec 30. Control of emergency incidents - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incident			

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COMPLIANCE OBLIGATIONS	ACTION EFFECTIVENESS		
	Fully effective	Partially effective	Ineffective
<p>Eskom Waste Standard (32-245)</p> <ul style="list-style-type: none"> - Occupational Health and Safety Act, 85 of 1993 - Facilities Regulations, 2004- Sec 2 sanitation - Occupational Health and Safety Act, 85 of 1993 - GN R84 - Construction Regulations, 2014 - Sec 30. Construction employees? facilities - National Building Regulations and Building Standards Act, 103 of 1977 - Regulations Under Section 17 (1), Part 3 - Control of objectionable discharge and P4 industrial effluent - National Environmental Management - Integrated Coastal Management Act, 24 of 2008 - Chapter 8 - Marine And Coastal Pollution Control - National Environmental Management: Waste Act 59 of 2008 - List of Waste Management Activities That Have, or are Likely to Have, a Detrimental Effect on the Environment (GN 921 of 2013) -National Health Act, 61 of 2003 - National Environmental Health Norms and Standards For Premises and Acceptable Monitoring Standards For Environmental Health Practitioners - Sec 1. Norms and standards applicable to premises, Sec 26 Environmental pollution control measures applicable to premises and Se 22. Permissible water use -Occupational Health and Safety Act, 85 of 1993 - Facilities Regulations, 2004 - Sec 2 Sanitation -Water Services Act, 108 of 1997 - Sec 3. Right of access to basic water supply and basic sanitation, - 240-133087117 - Eskom Environmental Incident Management Procedure - Environmental Inspections Report for Substation (TRM-FM-0071) - National Environmental Management Act 107 of 1998 section 28 Duty of Care and section 30 (Control of emergency incidents) - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents 			
<ul style="list-style-type: none"> National Water Act, 36 of 1998 - Regulations Requiring That A Water Use Be Registered Regulations Requiring That A Water Use Be Registered - Sec 21 - National Water Act, 36 of 1998- General Authorisation in terms of section 39 of the NWA for water uses as defined in section 21(c) or section 21(i) - National Environmental Management Act 107 of 1998 section 28 Duty of Care and section 30 (Control of emergency incidents) - National Water Act, 36 of 1998, Se 19. Prevention and remedying effects of pollution and Sec 20. Control of emergency incidents 			
<p>National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage.</p>			
<ul style="list-style-type: none"> Conservation of Agricultural Resources Act, 43 of 1983 - National Environmental Management Act, 107 of 1998 (NEMA), Sec 28. Duty of care and remediation of environmental damage. 			

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