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|  Eskom | PROCEDURE | KZN OU |
|-----------------------------------------------------------------------------------------|------------------|---------------|

Title: **ENVIRONMENTAL EMERGENCY
PREPAREDNESS AND RESPONSE
PROCEDURE**

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Date: 25/06/2020

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Introduction

Clause 8.2 of the ISO14001:2015 Standard, requires that the organisation establishes, implements and maintains the process (es) needed to prepare for and respond to potential emergency situations. Additionally,

The organisation shall:

- a) prepare to respond by planning actions to prevent or mitigate adverse environmental impacts from emergency situations;
- b) respond to actual emergency situations;
- c) take action to prevent or mitigate the consequences of emergency situations, appropriate to the magnitude of the emergency and the potential environmental impact;
- d) periodically test the planned response actions, where practicable;
- e) periodically review and revise the process(es) and planned response actions, in particular after the occurrence of emergency situations or tests;
- f) provide relevant information and training related to emergency preparedness and response, as appropriate, to relevant interested parties, including persons working under its control.

This procedure shall be used in conjunction with all Eskom and Distribution Division's Safety and Environmental policies, procedures, standards and directives.

Supporting Clauses

Scope

This instruction applies to all environmental emergency situations arising out of and within the KZN OU and excludes the support services and business partners.

Applicability

This document shall apply throughout the KZN OU.

Effective date

01 July 2020

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Normative/Informative References

Normative

Parties using this document shall use the most recent edition(s) of the document(s) listed in this section.

[1] South African National document(s):

SANS ISO 14001: 2015, Environmental Management Systems –Specification with guidance for use

National Environmental Management Act, 107 of 1998

National Water Act, 36 of 1998

[2] Eskom National document(s):

32-1034: Eskom Procurement & Supply Chain Management Procedure

240-133087117, Eskom's Environmental Incident Management Procedure

DST_34-315: Emergency Preparedness

DST_34-132: Fire Risk Management

EPL 32-727: Rev 0, Safety, Health, Environmental and Quality Policy

[3] Eskom KZN OU document(s):

240-147243174: Management of Asbestos Containing Material

Eskom/EWT Guideline for Managing Snakes, 2013

Advisory Note: KZN OU Guideline for Managing Snakes, January 2013

Environmental Management of Insulating Oil Spills in KZNOU, 240-147240528

Definitions

- (a) **Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).
- (b) **Emergency:** Any unplanned event, of such nature or magnitude that cannot be coped with as a normal daily activity within the KZN OU, which results in danger to the health or safety of persons, damage to property or equipment, environmental degradation or negative reputational risks.

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- (c) **Emergency plan:** A description of the actions to be taken to prepare for in the event of an emergency and to facilitate emergency preparedness, that contains names of persons and their assigned duties and includes a response and a recovery plan.
- (d) **Emergency Preparedness:** All actions and activities aimed, on an organized basis to reduce or contain the effects of an emergency
- (e) **Emergency Response:** The reaction of the OU to any of the identified environmental emergencies
- (f) **Emergency telephone list:** A list of contact details of all persons and organisations to assist with the emergency.

Abbreviations

| Abbreviation | Explanation |
|--------------|-----------------------------------------------------------------|
| CNC | Customer Network Centre |
| DAFF | Department of Forestry and Fisheries |
| DWS | Department of Water and Sanitation |
| EO | Environmental Officer |
| EWT | Endangered Wildlife Trust |
| FPA | Fire Protection Agency |
| KZN OU | KwaZulu-Natal Operating Unit |
| MEW | Major Engineering Works |
| NEPS | Network Performance System |
| SHEQS | Safety, Health, Environmental, Quality, and Security Department |
| SS | Senior Supervisor |

Requirements

Reporting an Emergency

Any employee that becomes aware of an emergency situation with a potential environmental impact must immediately report the emergency to the Supervisor/Manager in whose area the emergency is occurring including the OU Environmental Management Section (SHEQS Department).

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3.1.1 An environment-related emergency can be any or a combination of:

- (a) Hazardous chemical/oil spill (causing water pollution or significant environmental pollution with implications to local communities or landowners);
- (b) An environmental legal contravention or incident resulting in potential legal, financial or reputational risks to the OU, e.g. disturbance of graves during construction or cutting of protected trees without a permit;
- (c) Removal of bees (posing a safety risk to employees and/or contractors);
- (d) Removal of snakes (posing a safety risk to employees and/or contractors);
- (e) Tree cutting due to trees on or in close proximity to powerlines (posing a safety risk to employees, contractors and public);
- (f) Fires (caused by Eskom operations) leading to veld fires and within a park or conservation area;
- (g) Pollution incidents from nearby/adjacent sites to Eskom property that moves onto Eskom property and affects Eskom employees.

3.1.2 Report the emergency as is required by 240-133087117 by completing and forwarding the "Accident/incident notification flash report" to KZN OU SHEQS Department in New Germany;

3.1.3 The Procurement Department will advise on which Eskom appointed service provider may be used for the emergency clean-up and rehabilitation;

3.1.4 For guidance and advice on any environment-related emergency contact any of the Environmental Practitioners allocated to the specific area/zone, or the Environmental Management Section of the OU's SHEQS Department.

ACTIONS TO BE TAKEN IN AN EMERGENCY

3.2.1 On being advised of the emergency, the Supervisor/Manager in whose area the emergency situation arose shall:

- (a) Follow the emergency procedure and take all necessary actions as defined in this standard;

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- (b) Follow the emergency procurement process in acquiring the services of the emergency response teams, as detailed in 32-1034: Eskom Procurement & Supply Chain Management Procedure;
- 3.2.2 The emergency shall be referred to the OU's Environmental Management Section for additional legal and other requirements in terms of the emergency procedures to be followed.
- 3.2.3 The Supervisor/Manager shall check that the details of the person and organizations as listed on the emergency preparedness plan are still relevant and revise at least once a year or as and when the emergency situation arise.
- 3.2.4 The Site Manager or Supervisor in consultation with the other relevant resources, e.g. the OU Environmental Management Section is responsible to update the Emergency Telephone List (Annexure A) if any number or agency has changed.
- 3.2.5 All continuous improvement issues and non-compliances to the emergency process during emergency situations, shall be developed into action plans to deal with them.
- 3.2.6 The emergency procedure defined herein shall be tested annually through appropriate simulation drills.
- 3.2.7 The OU Environmental Manager will be responsible to report all significant environment-related emergencies to the relevant authorities, after consultations with the relevant line managers.

Emergency Preparedness on Wildlife Interaction incidents

- (a) Wildlife incidents shall be reported as per the requirements of 240-133087117;
- (b) All wildlife incidents captured on the Network Performance System (NEPS) reports shall be reported to the OU Environmental Management Section within 14 days by the Plant Department.
- (c) A stock of mitigation devices; such as bird flappers, raptor protectors, bird guards etc. shall be kept at the CNC to be readily available for emergencies relating to the collision or electrocution of a bird species of significant conservation status or should the incident have potential to generate negative publicity for the KZN OU.

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- (d) The Endangered Wildlife Trust (EWT) to be contacted for further investigations into the wildlife interactions, by the Supervisor or the OUs Environmental Management Section. Contact details as per Annexure A.

Emergency Preparedness on Oil Spill incidents

- (a) Oil spill incidents shall be reported and managed as per the requirements of Eskom's Environmental Incident Management Procedure, 240-133087117 and Environmental Management of Insulating Oil Spills in KZNOU, 240-147240528
- (b) An oil spill kit shall be kept at all times, on site to cater for emergency (minor and moderate) oil spills.
- (c) Each unit shall keep the emergency numbers and contacts for all response teams that could assist with the emergency response relating to major oil spills. This list shall be posted on the notice boards and communicated to all at the site. (Annexure A).
- (d) Emergency containment measures shall be executed by the responsible person and his/her supervisor on site.
- (e) Drip trays and/or loose absorbent fibres/materials shall be used to contain any movement of spilled matter and/or to absorb it.
- (f) All major oil spills will be reported to the regional Department of the Water & Sanitation (DWS), local municipality and KZN Department of Environmental Affairs department, as per the legislative requirements (Annexure A & B), by the OU's Environmental Management Section.
- (g) During office hours, CNCs must contact the Technical Support (TS) Contract Staff for a task order who will engage the clean-up company to undertake the clean-up and rehabilitation.
- (h) Afterhours, Resource Management Centre (RMC) issues the task order; the Supervisor may engage with the clean-up company directly, but must notify the TS Contracts Staff the next working day so that a Purchase Requisition (PR) can be created.
- (i) Refer to Annexure C.1 (p16).

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Emergency Preparedness – Fire related incidents

- (a) The Sector Manager/Supervisor shall appoint a responsible team that will be involved in the management of controlling fires during any fire related incidents.
- (b) The appointed team shall be provided with appropriate knowledge and skills such as fire protection training so as to increase their effectiveness to respond to these incidents.
- (c) Emergency preparedness plans and evacuation procedures shall be developed for each unit, substations and powerlines and these must be communicated to all staff at that particular unit.
- (d) Each business unit shall have contact details of the nearest Fire Fighting Department. These contact details shall be placed on the notice boards within the building and shall be accessible to all staff.
- (e) An Eskom representative (e.g. Sector Manager) shall join the local Fire Protection Agency (FPA), where established, for effective response and management of fires, at a local level, especially of fires caused by Eskom activities.

Emergency Preparedness – incidents relating to bees

- (a) Those employees who have an allergic reaction to bees, to inform their supervisor and to keep their medication with them at all times;
- (b) Should bees pose a threat, employees and contractors must keep away from the area;
- (c) Report the encounter with bees as per the requirements of Eskom's Environmental Incident Management Procedure, 240-133087117;
- (d) Have the contact details of the bee removers in the Environmental File, to assist with the collection and removal of bees from the Eskom equipment;
- (e) Bees are not to be harmed, smoked or fumigated
- (f) A beekeeper must be called in to safely remove the bees ((refer to the KZNOU List of Bee Keepers)
- (g) Refer to Annexure C.2 (p17)

Emergency Preparedness – incidents relating to snakes

- (a) Report the encounter with snakes as per the requirements of 240-133087117;

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- (b) Snakes should not be harmed or killed, unless they pose a serious threat to any person;
- (c) An experienced snake handler must be called in to safely remove the snake (refer to the KZNOU List of Snake Handlers)
- (d) Consult the “*Advisory Note: KZN OU Guideline for Managing Snakes*”, January 2013;
- (e) Using materials such as posters or a powerpoint presentation to create an awareness of venomous and non-venomous snakes with all at the site;
- (f) Consult the *Eskom/EWT Guideline for Managing Snakes* for further detailed guidance on snakes.
- (g) Refer to Annexure C.3 (p18).

Emergency Preparedness – hazardous chemical spills

- (a) Report any hazardous chemical spills as per the requirements of 240-133087117;
- (b) Consult the Material Safety Data Sheet (MSDS) for all the precautionary measures to be taken in case of the exposure of both persons and environment to the hazardous chemicals;
- (c) If a major spill, immediately contact the KZN OU’s contracted Emergency Response Service Provider;
- (d) Stay clear of the spill area and stand opposite to the wind direction (upwind) of the spill.

Emergency Preparedness – incidents relating to water pollution

- (a) Report all water pollution incidents as per the requirements of 240-133087117;
- (b) Acquire the services of KZN OU’s contracted Emergency Response Service Provider to clean-up and rehabilitate the pollution caused.

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Emergency Preparedness: Tree cutting due to trees on or in close proximity to powerlines (posing a safety risk to employees, contractors and public)

- (a) In exceptional emergency cases, the OU can cut an indigenous in a natural forest or protected tree and inform DAFF (within 48 hours), and thereafter request the permit from DAFF, with a clear motivation in writing;
- (b) A tree-related emergency may be a sudden or unexpected occurrence where:
 - A significant quality in electricity supply is compromised and/or;
 - There is a significant risk to life or property and/or;
 - A major ecological impact may occur as a result of fire;
- (c) The sample letter is attached as per Annexure B to this document can be used as a guide to notify the Regional DAFF office of above.
- (d) Note that to cut alien trees (such as wattle, gum, pine, etc.) there is no need for a permit from DAFF; however the landowner must still be informed.
- (e) Refer to Annexure B (p14).

Emergency Preparedness – incidents relating to pollution incidents moving onto Eskom property (noxious pollutants/gases)

The emergency response for any potential air pollution incidents that may enter KZN OU offices/sites:

- (a) Note that not all buildings are affected equally due to wind direction, location and design;
- (b) If the odour becomes unbearable, irritable and uncomfortable, evacuate the building immediately, following Eskom's evacuation procedure; standing outside the building may not be the ideal situation;
- (c) The designated Evacuation Official must check with the Site Head of Emergency Preparedness which buildings/areas are not affected;
- (d) All affected employees must then move to those areas/buildings not affected, i.e. away from the high pollution concentrations or upwind;
- (e) All employees must comply fully to the Evacuation Official's instructions;
- (f) Report all such incidents immediately to the:

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- OU Site Head of Emergency Preparedness;
- OU Environmental Management Section;
- Local Municipality Department of Health;
- Identified or potential polluting company/business

When providing any report, kindly make a note of the weather conditions and especially the wind direction.

- (h) It is preferable for all sites to have the contact details of polluting companies/businesses in close proximity to their offices/sites.
- (i) Refer to Annexure C.4 (p19)

Emergency Preparedness - Water Restrictions or Water cut-offs, affecting Eskom's Offices

South Africa is currently experiencing a prolonged drought. There is already a water restriction in some areas, and it is expected that other areas will also be subject to water restrictions. There could be water cut offs, due to damaged pipes, service delivery protests or for other reasons.

The response for any potential water cut offs in KZN OU offices/sites/CNCs is as follows:

- (a) Report any water restrictions or water cut off, immediately to Eskom Real Estate (ERE);
- (b) Report all leaking or burst water pipes to ERE immediately;
- (c) Contact ERE for alternative plans for managing the water cut off;
- (d) Avoid using ablution facilities during water cut-off times due to hygiene risks;
- (e) In consultation with local management, make a decision on the continuation of work at sites with no water to prevent health and safety risks.

All employees in KZN OU will save water by adopting the following actions:

- (a) Use showers in standby quarters, because they use less water than baths;
- (b) Consider methods or habits to reduce the volume of water required for flushing toilets;
- (c) Plants and gardens should only be watered during the cooler parts of the day, viz. between 07h00 and 09h00 or after 15h00, to minimise loss of water through evapourisation;

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- (d) Capture rainwater (e.g. old drums or JoJo tanks) from roofs that can be used to water gardens or wash vehicles;
- (f) Make sure that no taps drip or pipes leak; if there are drips collect the water for other uses, until these can be repaired;
- (g) Do not sweep yards or driveways or wash vehicles with a hosepipe, use brooms or buckets instead;
- (h) Make everybody at the CNC/site aware of the need for water conservation.

Emergency Preparedness - Construction/work near wetlands and rivers

Wetlands and rivers are very sensitive environments. Additionally, working in such areas are highly regulated by a range of stringent environmental laws, in particular the National Water Act (Act No. 36 of 1998).

In terms of current legislation in SA, Eskom MUST apply for a Water Use License if:

- (a) the Eskom line or substation within 500m of a wetland
- (b) the Eskom line or substation within the 1:100 year flood line of a river/stream
- (c) the powerline crosses a river
- (d) the work will impede (affect) the flow of water in a river
- (e) there will be dumping or removal of material, e.g. sand, of more than 10 000m³, from a river
- (f) large quantities of water will be removed from a river system.

During the planning and survey of any Eskom work (including all emergency work), it must first be determined if the project meets any of the above-mentioned criteria.

If unsure, consult with Eskom Land Development Section (Environmental and GIS). If any of the above-mentioned criteria is triggered Eskom MUST submit a Water Use License Application (WULA) to the Department of Water and Sanitation (DWS) timeously. It must be noted that a WULA is a long process and the issuing of a license by DWS may take up to six months.

NO construction/maintenance work is to commence until the WUL has been obtained.

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For emergency situations, the work may begin, provided that the DWS has been informed of such a situation immediately.

ALL conditions of the WUL must be adhered to once received.

Refer to Annexure C.5 (p22)

Acceptance

This document has been seen and accepted by:

| Name | Designation |
|----------------|--------------------------------------------|
| Nosipho Mpanza | Senior Manager, Maintenance and Operations |
| Kevin Pillay | Senior Manager, Asset Creation |
| Lenny Babulall | SHEQS Manager |

Revisions

| Date | Rev. | Compiler | Remarks |
|-----------------|-------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23 June 2020 | 11 | Whitney Gabriel | Updated unique identifier; Changed next review date; Changed Functional Responsibility and Authorised Managers' details |
| 10 June 2019 | 10 | Troy Govender | Changed next review date; Changed Functional Responsibility and Authorised Managers' details; Included Emergency Preparedness - Construction/work near wetlands and rivers; Included C.5 Checklist For Emergency Preparedness - Construction/Work Near Wetlands And Rivers |
| 04 July 2017 | 8 | Troy Govender | Update of templates to include: FINDINGS OF SIMULATION RECOMMENDATIONS ACTION PLAN (what, who, by when) |
| 27 January 2017 | 7 | Troy Govender | 14. Emergency Preparedness - Water Restrictions affecting Eskom's Offices Change of Functional Responsibility and Authorised by |
| 01 August 2016 | 6 | Troy Govender | Updated Annexure A: Important Contact Details. |

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| Date | Rev. | Compiler | Remarks |
|------------------|------|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| 23 June 2020 | 11 | Whitney Gabriel | Updated unique identifier; Changed next review date; Changed Functional Responsibility and Authorised Managers' details |
| 15 March 2016 | 5 | Troy Govender | Updated Annexure A: Important Contact Details. |
| 03 February 2016 | 4 | Troy Govender | Change of Functional Responsibility and Authorised by |
| 05 June 2015 | 3 | Troy Govender | Updated Annexure A: Important Contact Details. |
| 11 May 2014 | 2 | Troy Govender | Annexure C: Sample Checklists for Environmental Emergency Drills... |
| 02 April 2014 | 1 | Troy Govender | Change of Functional Responsibility and Authorised by |

Development Team

The following people were involved in the development of this document:

Troy Govender, Manager, Environmental Management, SHEQS Department

Whitney Gabriel, Environmental Officer, Environmental Management, SHEQS Department

Asanda Debe, Environmental Officer, Environmental Management, SHEQS Department

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ANNEXURE A: IMPORTANT CONTACT DETAILS

1. ESKOM, KZN OU OPERATING UNIT, ENVIRONMENTAL MANAGEMENT CONTACT DETAILS MANAGEMENT

| NAME | TITLE | AREA OF RESPONSIBILITY | LOCATION | TEL. |
|--------------------|--------------------------|------------------------|-------------|----------------|
| Lenny Babulall | Manager, SHEQS | SHEQ Management | New Germany | (031) 710 5779 |
| Tshililo Nekhalale | LD Environmental Manager | Land Development | New Germany | (031) 710 5044 |

2. ASSET CREATION ENVIRONMENTAL MANAGEMENT

| NAME | TITLE | AREA OF RESPONSIBILITY | LOCATION | TEL. |
|------------------|---------------------------------|--------------------------|-------------|----------------|
| Bruce Burger | Snr Supervisor, Environmental | AC Enviro Mgt, Empangeni | New Germany | (031) 710-5386 |
| Sindisiwe Ncwane | Environmental & Quality Officer | AC Enviro Mgt, PMB. | New Germany | (031) 710-5695 |
| Sifiso Ntombela | Environmental & Quality Officer | AC Enviro Mgt, Newcastle | New Germany | (031) 710 5752 |
| Belinda Hingle | Environmental & Quality Officer | AC Enviro Mgt Empangeni | New Germany | (031) 710 5792 |
| Nandi Mbili | Environmental & Quality Officer | AC Enviro Mgt, Margate | Margate | (039) 315 4723 |
| Mhleli Vezi | GIT Enviro Mgt | AC Enviro Mgt, | New Germany | (031) 710 5291 |

3. SHEQS ENVIRONMENTAL MANAGEMENT

| NAME | TITLE | AREA OF RESPONSIBILITY | LOCATION | TEL. |
|-----------------|-----------------------|---------------------------------|-------------|----------------|
| Asanda Debe | Officer Enviro Mgt | Newcastle Zone & PMB Sector | New Germany | (031) 710 5291 |
| Whitney Gabriel | Officer Enviro Mgt | Empangeni Zone & Margate Sector | New Germany | (031) 710 5159 |

4. EMERGENCY NUMBERS IN CASE OF OIL/HAZARDOUS SUBSTANCE SPILLS

DRIZIT

All hours: 0800 202 202

Tel.: (031) 274 -2300

Tel.: (033) 386 -1033

<http://www.spilltech.co.za/contact-us/>

5. ENDANGERED WILDLIFE TRUST

ESKOM-EWT Toll free number: 0860 111 535 or (011) 372-3600

e-mail: wep@ewt.org.za or constanth@ewt.org.za

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6. OTHER EXTERNAL STAKHOLDERS THAT MAY NEED TO BE CONTACTED IN THE EVENT OF ENVIRONMENTAL EMERGENCIES:

- (a) Local Fire Department
- (b) South African Police Services (SAPS)
- (c) Municipal Pollution Officers and Department of Health
- (d) Department of Water & Sanitation (DWS)
- (e) Department of Forestry and Fisheries (DAFF)
- (f) Department of Environmental Affairs (DEA)
- (g) Applicable Local Municipalities
- (h) Local Landowners
- (i) Local community

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**ANNEXURE B: Sample Letter to be used as a guide to notify the Regional DAFF
office for emergency tree cutting**

Department of Agriculture, Forestry & Fisheries

KZN Regional Forestry Office:

**REQUEST FOR EX-POST FACTO APPROVAL FOR THE EMERGENCY CUTTING
/DISTURBING/DAMAGING OR DESTROYING OF PROTECTED TREES, NATURAL FORESTS
OR STATE FORESTS**

In Eskom's commitment to comply with the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Regulation 19(6) of the Electrical Machinery Regulations, 2011 and the National Forests Act, No 84 (Act 84 of 1998) as well as acting in accordance with Section 2.3.3 of the Basic guidelines for the handling of EIA's and license applications for Eskom SOC Holdings linear infrastructure affecting natural forests, protected trees or state forests, 2012, Eskom hereby requests the Department of Agriculture, Forestry & Fisheries (DAFF) ex-post facto approval for the emergency cutting of a protected tree/s.

Due to the nature of the emergency incident detailed further in this letter, Eskom was not able to apply, in time, for a license to cut/disturb/damage or destroy a protected tree/s in terms of Section 15(1) of the National Forests Act, 1998,

According to Section 2.3.3. of the Basic Guidelines for the Handling of EIA's and License Applications for Eskom Linear Infrastructure Affecting Natural Forests, Protected Trees or State Forests, "an emergency may be a sudden or unexpected occurrence where:

- a significant quality in electricity supply is compromised and/or;
- there is a significant risk to life or property and/or;
- a major ecological impact may occur as a result of fire."

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EMERGENCY INCIDENT DETAILS/MOTIVATION

[Insert clear details/motivation of emergency incident including but not limited to:

- Date, time,
- Powerline name/pole numbers AND tree location (province, district, town, property names & numbers, GPS co-ordinates),
- Type & number of tree/s
- Reason for cutting protected tree/s,

In consideration of the above, Eskom hereby requests DAFF for ex-post facto approval for the emergency cutting of a protected tree/s.

Yours sincerely

Name Surname

Designation

Contact Details

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**ANNEXURE C: SAMPLE CHECKLISTS FOR ENVIRONMENTAL EMERGENCY DRILLS
C.1 CHECKLIST FOR TESTING OF EMERGENCY PREPAREDNESS FOR OIL SPILLS**

(i.t.o. 240-147240322)

SECTION/SITE/CNC:

.....

DATE OF

DRILL/TEST:.....

CO-ORDINATED

BY:.....

ATTENDED BY:..... (or attach Attendance Register)

| NO. | ISSUE | RESPONSE/EVIDENCE |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1. | Simulate: Oil spill at substation, e.g. 10 000l spilled out when transformer blew | |
| 2. | Review relevant documents to be consulted (240-147233604, Eskom's Waste Management Procedure, EPC 32-245) | |
| 3. | What does the EMP for the project (line or s/s) stipulate? | |
| 4. | Who should be informed? | |
| 5. | Complete a mock Incident Notification Form (ACCIDENT/INCIDENT NOTIFICATION FLASH REPORT) and return to SHEQ Department (New Germany) within 24hours – write test/drill across the form | |
| 6. | How do we treat <u>minor</u> and <u>moderate</u> spills? | |
| 7. | Is an oil spill kit available? | |
| 8. | Who in the section/CNC is trained to use oil spill kit? | |
| 9. | How do we treat <u>major</u> oil spills? | |
| 10. | What is the KZN OU process to engage the services of an emergency oil spill clean-up company/service provider? | |
| 11. | Complete a mock "Oil Spill Assessment Table and Report" (SUBSTATION OIL SPILL ASSESSMENT FORM (as per Environmental Management of Insulating Oils Spills in KZN OU, 240-147240528) and return to SHEQ Department (New Germany) | |
| 12. | FINDINGS OF SIMULATION | |
| 13. | RECOMMENDATIONS | |
| 14. | ACTION PLAN (what, who, by when) | |

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**C.2 CHECKLIST FOR TESTING OF EMERGENCY PREPAREDNESS FOR INCIDENTS
RELATING TO BEES**

(i.t.o. 240-147240322)

SECTION/SITE/CNC:

.....

DATE OF

DRILL/TEST:.....

CO-ORDINATED

BY:.....

ATTENDED BY:..... (or attach Attendance Register)

| NO. | ISSUE | RESPONSE/EVIDENCE |
|-----|------------------------------------------------------------------|-------------------|
| 1. | Simulate: Bees or hive in substation | |
| 2. | Which Eskom document/s must be reviewed? | |
| 3. | Who should be informed? | |
| 4. | Who is allergic to bees? | |
| 5. | Do those who are allergic to bees have the necessary medication? | |
| 6. | How does Eskom recommend the removal of bees or their hives? | |
| 7. | Is the list of Bee Keepers for KZN available at the site? | |
| 8. | FINDINGS OF SIMULATION | |
| 9. | RECOMMENDATIONS | |
| 10. | ACTION PLAN (what, who, by when) | |

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C.3 CHECKLIST FOR TESTING OF EMERGENCY PREPAREDNESS FOR INCIDENTS RELATING TO SNAKES

(i.t.o. 240-147240322)

SECTION/SITE/CNC:

DATE OF
DRILL/TEST:.....

CO-ORDINATED BY:.....

ATTENDED BY:..... (or attach Attendance Register)

| NO. | ISSUE | RESPONSE/EVIDENCE |
|-----|-----------------------------------------------------------------|-------------------|
| 1. | Simulate: Snake observed in building | |
| 2. | Which Eskom docs must be reviewed? | |
| 3. | What does the EMP for the project (line or s/s) stipulate? | |
| 4. | Who should be informed? | |
| 5. | Review " <i>Eskom/EWT Guideline for Managing Snakes, 2013</i> " | |
| 7. | How does Eskom recommend the handling of snakes? | |
| 8. | Is the list of Snake Handlers for KZN available at the site? | |
| 9. | FINDINGS OF SIMULATION | |
| 10. | RECOMMENDATIONS | |
| 11. | ACTION PLAN (what, who, by when) | |

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**C.4 CHECKLIST FOR TESTING OF EMERGENCY PREPAREDNESS FOR INCIDENTS
RELATING POLLUTION INCIDENTS MOVING ONTO ESKOM PROPERTY (NOXIOUS
POLLUTANTS/GASES)**

(i.t.o. 240-147240322)

SECTION/SITE/CNC:

.....

DATE OF

DRILL/TEST:.....

CO-ORDINATED

BY:.....

ATTENDED BY:..... (or attach Attendance
Register)

| NO. | ISSUE | RESPONSE/EVIDENCE |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1. | Simulate: Toxic (nuisance) pollution detected in the area. Describe the odour/smell. | |
| 2. | Which Eskom docs must be reviewed? | |
| 3. | Which buildings/areas are not affected (safe zone)? | |
| 4. | Is everybody accounted for in the safe zone? | |
| 5. | What are the present weather conditions (sun, rain, wind speed and direction, etc.)? | |
| 6. | Is anybody showing signs of the effects of the pollution (watery eyes, throat irritation, vomiting, sneezing and coughing, breathing difficulties, etc.) | |
| 7. | Who in Eskom should be informed of the incident? | |
| 8. | Who are the likely polluters and are their contact details available? | |
| 9. | FINDINGS OF SIMULATION | |
| 10. | RECOMMENDATIONS | |
| 11. | ACTION PLAN (what, who, by when) | |

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**C.5 CHECKLIST FOR EMERGENCY PREPAREDNESS - CONSTRUCTION/WORK
NEAR WETLANDS AND RIVERS**

(i.t.o. 240-147240322)

SECTION/SITE/CNC:

.....

DATE OF

DRILL/TEST:.....

CO-ORDINATED

BY:.....

ATTENDED BY:..... (or attach Attendance
Register)

| NO. | ISSUE | RESPONSE/EVIDENCE |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------|
| WHICH OF THE FOLLOWING SCENARIOS APPLIES TO THE PROJECT? | | |
| 1. | the Eskom line or substation within 500m of a wetland | |
| 2. | the Eskom line or substation within the 1:100 year flood line of a river/stream | |
| 3. | the powerline crosses a river | |
| 4. | the work will impede (affect) the flow of water in a river | |
| 5. | there will be dumping or removal of material, e.g. sand, of more than 10 000m ³ , from a river | |
| 6. | large quantities of water will be removed from a river system. | |
| IF YES TO ANY OF THE ABOVE | | |
| 7. | How can I determine if any of the above will be triggered? | |
| 8. | What is the legal requirement? | |
| 9. | Who will make the application? | |
| 10. | How long does it normally take for the application to be processed? | |
| 11. | Who processes the application? | |
| 12. | FINDINGS OF SIMULATION | |
| 13. | RECOMMENDATIONS | |
| 14. | ACTION PLAN (what, who, by when) | |

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