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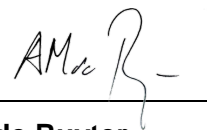
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1. Introduction

Eskom's Nuclear Management Policy is formulated to ensure that all aspects of Eskom's use of nuclear power and nuclear technology are performed in a safe, controlled and socially responsible manner. The Policy provides a commonly understood framework of policy principles to guide Eskom's nuclear strategies, operations and decision making.

2. Policy Content

2.1 Policy Statement

Nuclear Management Policy outlines Eskom management's commitment to:

- Establish safety and security measures that ensure the protection of staff, the public and the environment from the harmful effects of ionising radiation associated with its operations.
- Establish sound governance and management principles and practices and provide the required infrastructure and resources to ensure the safe use of nuclear energy.
- Promote a strong nuclear safety and security culture through the development and reinforcement of good safety attitudes and behaviour in individuals, leaders and teams, emphasising nuclear safety over competing goals to ensure protection of people and the environment.
- Take all reasonably practicable measures to prevent accidents at Koeberg Nuclear Power Station or future nuclear installations and to mitigate their consequences should they occur.

2.2 Policy Principles

- Operate Koeberg Nuclear Power Station, and any future nuclear facility, as the licensee in alignment with South Africa's nuclear energy policy, in a manner that demonstrates that Eskom has the primary responsibility for safety, thereby maintaining nuclear as a credible clean energy option;
- Provide adequate human resources that are appropriately educated, trained and who have been allocated appropriate authority and responsibility in all life-cycle phases of the nuclear installation;
- Strictly adhere to the requirements of legislation; and terms and conditions of the relevant Nuclear Installation Licences, permits and authorisations;
- Demonstrate leadership in safety matters at the highest organisational level by implementing and continually improving an integrated management system that combines all the elements of safety, quality, health, the environment, security, and safety culture in a manner that safety is not compromised by other requirements, that are applicable to all nuclear activities;
- Routinely assess and appropriately mitigate risks associated with Koeberg Nuclear Power Station; and operations that pose radiation risks as the potential consequences of an accident or radiation exposure event are unacceptable regardless of the improbability of occurrence;

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- Emulate internationally benchmarked good practice, and apply operational experience in the siting, design, fabrication, construction, operation and decommissioning of nuclear installations, and the management of nuclear waste;
- Ensure that applicable Eskom policies and practices are appropriately augmented to exceed regulatory requirements and limits through periodic reviews and consideration of internationally recognised nuclear and radiation safety standards for application to Eskom's nuclear activities, including the radiation protection programme;
- Manage Eskom's nuclear assets, people, safety of the public and workers, and the impact on the environment in a responsible and sustainable manner, in alignment with Eskom's policies;
- Ensure that all exposures to ionising radiation are justified, optimised and maintained as low as reasonably achievable within the legal dose limitations;
- Manage all radioactive waste, decommissioning plans and their funding such that they do not pose undue burden on future generations by applying safe, environmentally acceptable and sustainable solutions for their long term management.
- Ensure the use of practical technologies, operations and management processes to prevent and mitigate nuclear and radiation incidents and accidents, and their impact;
- Maintain a resourced emergency response plan that undergoes routine exercises, to assess its ability to respond to postulated incidents that could occur at Koeberg Nuclear Power Station;
- Ensure that activities that are performed elsewhere in Eskom that pose potential radiation risks are recognised as such and are executed with the required assessments and protective controls.
- Subject all Eskom's nuclear activities to appropriate oversight, and to fully support all international "non-proliferation" and "safeguards and security" measures.

3. Supporting Clauses

3.1 Scope

To provide direction to ensure that all aspects of Eskom's use of nuclear power and nuclear technology are performed in a safe, responsible manner for the protection of people and the environment.

3.1.1 Purpose

The purpose of this policy is to outline the principles to be considered when setting strategies and objectives, in decision making and in the management of Koeberg Nuclear Power Station, any new nuclear facility, all activities that pose a radiation risk, and throughout all life-cycle phases of the facility or radiation source.

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3.1.2 Applicability

This policy shall apply throughout Eskom Holdings SOC Ltd Divisions.

3.1.3 Effective date

The document is effective from the authorisation date.

3.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

3.2.1 Normative

- [1] ISO 9001 Quality Management Systems Requirements
- [2] The Nuclear Energy Policy of the Republic of South Africa 2008
- [3] The Radioactive Waste Management Policy and Strategy for the Republic of South Africa 2005

3.2.2 Informative

- [4] 240-108035478 Eskom Nuclear Objectives
- [5] 36-1518 Nuclear Safety Oversight in Eskom
- [6] SF-1: IAEA Safety Standard: Fundamental Safety Principles

3.3 Definitions

Not applicable

3.4 Abbreviations

Abbreviation	Explanation
IAEA	International Atomic Energy Agency

3.5 Roles and Responsibilities

The Chief Nuclear Officer has the overall accountability and responsibility for ensuring the implementation of this policy.

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3.6 Process for Monitoring

- 3.6.1. Eskom has a nuclear safety oversight and governance structure that is established to focus on, and monitor nuclear activities within the organisation. [5] 36-1518 *Nuclear Safety Oversight in Eskom*.
- 3.6.2. Eskom has documented its Nuclear Objectives which are informed by these principles to ensure that the senior executives are appraised and advised on performance and nuclear safety issues [4] 240-108035478 *Eskom Nuclear Objectives*.

4. Authorization

This document has been seen and accepted by:

Name	Designation
V Ntuli	GM: Koeberg Power Station Manager
S Touffie	SM: Nuclear Engineering
H Lensink	SM: Nuclear Fuel
B Culligan	SM: Nuclear Commercial
F Ellis	SM: (Acting) Nuclear Project Management
E Viljoen	SM: (Acting): Nuclear Oversight
NMC	Endorsed at meeting of 2 February 2021

5. Revisions

Date	Rev.	Remarks
January 2021	5	The policy was reviewed as part of the three-year review cycle Minor changes were made..
September 2018	4	The policy was updated as part of the three-year review cycle, review included: Revised to achieve better alignment with IAEA SF-1 Updated with ISO 9001:2015 requirements Comments from 2018 NEXCO Management review
February 2016	3	Updated because as a result of the WANO Corporate Peer review to clarify the Roles and Responsibilities and the process for monitoring
October 2013	2	The policy was updated because of a three-year review cycle
July 2010	1	The policy was updated as a result of the establishment of a Nuclear Division and changes regarding South African regulations and legislation. It was renamed 'Eskom Nuclear Policy' from 'Eskom Nuclear Objectives'.

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6. Development Team

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

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- M Maree
- MV Moduka

7. Acknowledgements

Not Applicable

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