

K-27660-E: ATTACHMENT 1

APPLICATION TO OPERATE THE KOEBERG NUCLEAR POWER STATION (KNPS) BEYOND THE TIMEFRAME ESTABLISHED IN THE NUCLEAR INSTALLATION LICENCE NO. NIL-01 (VARIATION 19).

Regulation 4(1): An indication of whether the application is made for a nuclear installation licence or a certificate of registration or exemption

The Eskom application is for a variation to the Nuclear Installation Licence No. NIL-01 to operate the KNPS beyond 21 July 2024 for an additional 20 years until 21 July 2044 for Unit 1 and 9 November 2045 for Unit 2.

Regulation 4(2): The full name of the applicant

The applicant is Eskom Holdings SOC Ltd, Registration No. 2002/015527/06/30

Regulation 4(3): If the applicant is a juristic person, a certified copy of the certificate of incorporation or founding document or any other establishing document and physical address of its head office or its *domicilium citandi et executandi*.

Physical address of Head Office:

Eskom Holdings SOC Ltd
Megawatt Park
Maxwell Drive
Sunninghill
Sandton
2157

Certified copies are included of the Memorandum of Incorporation (Attachment 2), Eskom's Group Chief Executive's Delegation of Authority (Attachment 3) and Notice of registered office and postal address of the company (Attachment 4).

Regulation 4(4): If the applicant is a natural person, his or her identification number and date of birth

Not applicable

K-27660-E: ATTACHMENT 1 (Continued)

APPLICATION TO OPERATE THE KOEBERG NUCLEAR POWER STATION (KNPS) BEYOND THE TIMEFRAME ESTABLISHED IN THE NUCLEAR INSTALLATION LICENCE NO. NIL-01 (VARIATION 19).

Regulation 4(5): The physical address of the proposed nuclear installation or where the proposed action(s) will be carried out

Koeberg Nuclear Power Station
Farm Duynefontyn 1552 – (this is the consolidation of Farm Duynefontyn 34 and Farm 1375)
Melkbosstrand
7441

Proof of address, Eskom reference K-21899-E Licence Change Request Application LCR 1834 consolidating Farm 34 and Farm 1375 into one new farm called Farm Duynefontyn No. 1552.

Regulation 4(6): The postal address of the applicant

For the purposes of this application, all correspondence should be addressed to:

Marc Maree,
Acting Senior Manager (Nuclear Licensing),
c/o Nuclear Licensing,
Koeberg Nuclear Power Station

Regulation 4(7): A description of the nuclear installation or nature of the proposed action(s) and any other relevant information which may be required by the Chief Executive Officer

The Eskom application is for a variation to the Nuclear Installation Licence No. NIL-01 to operate the KNPS beyond 21 July 2024 for an additional 20 years until 21 July 2044 for Unit 1 and 9 November 2045 for Unit 2.

Regulation 4(7a): A description of the nuclear installation for long-term operation (LTO) of Koeberg Nuclear Power Station

In 2010, the Eskom Board endorsed the recommendation of a feasibility study to extend the operating life of the KNPS from 40 years to 60 years of operation. Eskom has informed the NNR via letter K-19821-E dated 08 September 2010, of the proposed Long-Term Asset Management interventions relating to the KNPS.

In 2015, Eskom submitted the Koeberg Licensing Framework for Long-Term Operation (LTO) via letter K-22120-E, dated 02 December 2015. Subsequently, Eskom initiated a number of significant projects that were required to safely extend the life of the KNPS. These include the replacement of the steam generators, the refuelling water-storage tanks, the Unit 2 reactor pressure vessel head, and the evaluation of the ageing management documents. The licensing framework documents for each of these projects were developed and submitted to the NNR for acceptance. The authorised licensing framework documents for these projects address the licensing processes and practices associated with the regulatory framework applicable to each individual project.

This application is in accordance with the Regulations on the Long-Term Operation of Nuclear Installations (No. R. 266) of 26 March 2021.

K-27660-E: ATTACHMENT 1 (Continued)

APPLICATION TO OPERATE THE KOEBERG NUCLEAR POWER STATION (KNPS) BEYOND THE TIMEFRAME ESTABLISHED IN THE NUCLEAR INSTALLATION LICENCE NO. NIL-01 (VARIATION 19).

Regulation 4(7b): Location of the installation

The KNPS is located on the West Coast, approximately 27 km north of the Cape Town CBD and 1,5 km north of the residential area of Duynfontein. KNPS is situated on the Farm Duynfontyn No. 1552 and the main access to KNPS is via the R27, which runs along the property's eastern boundary. Proof of title deed, Eskom reference K-22078-E Licence Change Request Application LCR 1834.

Regulation 4(7c): Site coordinates

The KNPS site co-ordinates: X: (Longitude) -52727,40 and Y: (Latitude) -3727966,65.

Regulation 4(7d): A map/diagram showing the boundaries of the site (i.e. all the areas) to be authorised, for surface operations.

A copy of the KNPS site map containing the demarcated boundaries of the site is attached as Attachment 5.

Regulation 4(7e): Site safety report

As part of the process, Eskom will revise the Duynfontyn Site Safety Report to include the LTO of KNPS and will submit it as part of the overall safety case, no later than 21 July 2022, in accordance with the schedule contained in the Eskom LTO Programme Management Manual (Attachment 6).

Regulation 4(7f): Safety case and safety analysis report

Eskom will submit a safety case as per the requirements of the LTO regulations for the LTO of KNPS, no later than 21 July 2022, in accordance with the schedule contained in the Eskom LTO Programme Management Manual (Attachment 7).

As part of the process, Eskom will revise the current Koeberg safety analyses report to reflect the LTO of KNPS and will submit it as part of the overall safety case, no later than 21 July 2022, in accordance with the schedule contained in the LTO Programme Management Manual (Attachment 6).

Regulation 4(7g): Approved Environmental Impact Assessment

Not applicable.

Regulation 4(7h): Payment of the non-refundable application fee

Eskom is committed to paying all application fees as they fall due.

Regulation 4(8): a signature by the applicant or, in the case of a juristic person, the signature of a duly authorised person and a certified copy of that authorisation.

The Eskom Group Chief Executive Officer is the duly authorised person and applicant on behalf of Eskom in accordance with the Memorandum of Incorporation and Delegation of Authority (DoA) per Eskom Board minutes of 29 April 2021.