

Date: 2 December 2025

Re: Koeberg modifications

**Reference: k10001925N -- NNR Directive: Outcome of Assessment for Long Term Operation**

Dear Gino,

I hope you are well. Please could you confirm if Eskom has meet the following conditions by the stipulated dates:

January, October and November 2025

- 1) Hardened Water External Connection Points (Modification 12004). (Due: October 2025)
- 2) Hardened Water Supply (Modification 12008). (Due: January 2025)
- 3) Review CASK PSA subsumed initiators to identify LUHS/SEC pipe damage initiators and remodel. (Due: 30 November 2025)
- 4) Revise current internal flooding methodology to align with International Best Practise and update model. (Due: 30 November 2025)
- 5) Update Internal Hazards (fire and flooding) in the Spent Fuel Pool PSA. (Due: 30 November 2025)
- 6) Review and Update PSA reports to reflect the latest plant specific data. (Due: 30 November 2025)

December 2025

- 7) Improve processes and procedures for estimation of radioactive discharges and associated public dose. (Due: 15 Dec 2025)
- 8) Emergency Plan
  - 8.1) Conduct an assessment of the effectiveness of the Koeberg Nuclear Emergency Plan and a review of the existing nuclear disaster management infrastructure in conjunction with the City of Cape Town. (Due: December 2025)
  - 8.2) Submit to the NNR the external events Level 2 Probabilistic Safety Assessment (PSA) and update of the Emergency Plan Technical Basis (EPTB) with the results of the external events Level 2 PSA. (Due: December 2025)
- 9) Seismic Assessment

9.1) Validate the seismic assessment of the plant in the 15 - 45 Hz frequency domain of the updated seismic response spectrum (USRS) by developing and submitting for regulatory approval the updated floor response spectra (UFRS). (Due: December 2025)

9.2) Develop a seismic probabilistic safety assessment (Seismic PSA) to demonstrate fulfilment of the seismic safety goals specified in PP-014. (Due: December 2025)

#### 10) Aseismic bearings

10.1) Use representative samples (or in the case of a lack of representative samples, manufacture new samples) for aseismic bearings and perform accelerated ageing tests to ensure that their condition is representative of the in-situ bearings. Evaluate the impact of these test results on the shear modulus and the potential impact on global plant safety and also evaluate the safety margins of the material properties. (Due: December 2025)

10.2) Evaluate and justify that there are adequate remaining safety margins to cover the seismic demand resulting from requirements coming from post-Fukushima re-assessment. (Due: December 2025)

10.3) Re-assess the surveillance procedures including surveillance frequencies, calculation methods, and acceptance criteria. (Due: December 2025)

11) Complete the process of cable testing originally initiated for the re-qualification of qualified cables. (Due: December 2025)

If completed, please do share the results of the aseismic bearings tests, the seismic assessment and the updated emergency plan.

If activities with a due date after today in December that have not been completed to date, but will be in the course of December, please do indicate the exact expected date of completion.

Kind regards,



Francesca de Gasparis  
Executive Director, SAFCEI