SECTION 5.14: SEISMIC HAZARD

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Author declaration: I declare that appropriate diligence and quality assurance was applied in the compilation of this report. As such I am confident in the results here described and the conclusions drawn.

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Name: M van Zyl Date: 2024-03-15

Peer Reviewer: I declare that this report has undergone independent peer review by myself, that comments were addressed to my satisfaction, and that as such, it is considered fit for publication.

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Name: Date: 2024-03-15

NSS Manager Authorisation:

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1		15 March 2023	New chapter, replacing old KSSR Rev 0. Configured in line with latest DSSR version.

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5.14 SEISMIC HAZARD

The detailed geologic, geophysical, and seismological characteristics of the region and at the site are contained in section 7 of the technical report "**ENHANCED SSHAC LEVEL 2 PROBABILISTIC SEISMIC HAZARD ANALYSIS FOR THE DUYNEFONTYN NUCLEAR SITE, WESTERN CAPE PROVINCE, SOUTH AFRICA**" (***Reference 5.14.1)***, which is the final product of the Duynefontyn Probabilistic Seismic Hazard (PSHA), summarising the entire study.

The technical report demonstrate that sufficient knowledge of the site region, vicinity, and area exists for the purposes of assessing site suitability**.**

5.14.1 References

5.14.1) CGS (2024), **Enhanced SSHAC Level 2 Probablistic Seismic Hazard Analysis for the Duynefontyn Nuclear Sites, Western Cape Province, South Africa.** Report no. 2024-0001 (Rev. 0).