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KOEBERG SITE
SAFETY REPORT

CHAPTER 14

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NSIP-KBG-015199 #P1-6

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No 3 - Site Layout (1997)



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CHAPTER 14 RADIOACTIVE EFFLUENTS

14.1. GENERAL

The original contractual limits (*Reference 14.1*) for the release of gaseous and liquid effluents, were such that a member of the public living at the Owner Controlled Boundary (see *Drawing No. 3*), would not receive a dose greater than 5 mRem/year/Unit resulting from atmospheric releases.

The requirement for the discharge limits were laid down in the AEB/LB Licensing Branch Guide 1 (LBG 1) (Reference 14.2), which has now been superseded.

Dose limits to the public and Eskom workers are now set in the CN Document LD1020 (Reference 14.3), and limitations on gaseous and liquid effluent discharges to ensure compliance with LD1020 are set in the Operating Technical Specifications (Reference 14.6) OPS 7030 Tables T.3.10 and T.3.11.

Effluent discharges are recorded and reported to the CNS on a quarterly basis.

The radiological nature of the environment surrounding the KNPS has been established and is described in the AEC Reports PIN-572 (Reference 14.4) of March 1981 and PIN-600 (Reference 14.5) of December 1981.

Environmental surveys are conducted routinely and are reported to the CNS quarterly, following the requirements as set down in the Eskom Standard OPS 7000 - Radiation Protection Standard (Reference 14.7)



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REFERENCES

- 14.1) The Koeberg Nuclear Power Station contract, Contract OPN 11229, Electricity Supply Commission, July 1976.
- 14.2) LBG 1, Licensing of Nuclear Installations. A guide to the requirements for Safety Assessment (1979) (Now withdrawn, but an original Reference Document).
- 14.3) LD1020. Radiation Dose Limitation at Koeberg Nuclear Power Station, Rev 0, CNS, October 1990.
- 14.4) AEC Report PIN-572, March 1981
- 14.5) AEC Report PIN-600, December 1981
- 14.6) OPS 7030 - Operating Technical Specifications (KNPS) Rev 6
- 14.7) OPS 7000 - Radiation Protection Standard (KNPS) Rev 6.



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