

WINDSCALE NUCLEAR POWER DEVELOPMENT LABORATORIES

SUMMARY OF PAPER PROPOSED FOR THE EEC HOT CELLS

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SOURCES OF RADIATION DOSE IN POST-IRRADIATION EXAMINATION

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The sources of radiation dose received by staff engaged on post-irradiation examination in UKAEA laboratories at Windscale have been investigated. Data have been obtained from statutory body-dose films, special films used only during specific operations, personal dosimeters, works study and regular standardised radiation surveys. These data have enabled the radiation doses to be broken down into component sources and their relative importance assessed. Appropriate operational and structural modifications have substantially reduced radiation doses to personnel.