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to mr g samsel kommission der europaischen gemeinschaftern forschung-
sanstalt ist fur transurane karlsruhe

rpt dr v w eldred windscale
mr p b reade harwell

from dr s a cottrell aee winfrith dorchester dorset england

16/2/79

hot labs meeting 19/20 june 1979

given below abstract for lecture on 19/20 june 1979, eec hot labs
symposium, at riso denmark.

title control of irradiation doses in the winfrith hot cells.

abstract the concept of a 'building man-rem budget' was adopted

for the winfrith hot cells in 1968/9. this approach has helped to
reduce the total annual gamma dose for full-time operators., by
1978 it had been reduced to about half the 1969 value. the average
for each operator was approximately 1.25 rem in 1978 . it now
appears to be difficult to make significant further reductions
because of lack of information. therefore, method study techniques
are being employed to evaluate how and why doses are received
and to indicate possible areas where further improvements can be
achieved. significant gamma doses are received during cave entries
and when undertaking unplanned maintenance work., this high-lights
the need for improvement of remote decontamination procedures.

techniques being investigated include, high power vacuum cleaning,
ultrasonics, and high- pressure water-jetting.

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