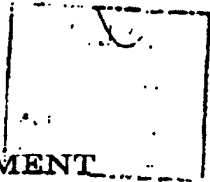




RESEARCH AND DEVELOPMENT ESTABLISHMENT



RD-496-R

TO DR. S.J. GREEN,
RESEARCH & DEVELOPMENT,
MILLBANK.

FROM DR. I.W. HUGHES.

REF IWH/JP/46C.

DATE 26th July, 1967.

Enclosed are four copies of Report No. RD.496-R, which covers our examination of the possibility of higher nitrosamines being present in cigarette smoke. Based on the levels which may be present, it does not appear to us worthwhile continuing to look into ways of reducing these nitrosamines, and we are recommending no further work in this area.

Our present analytical facilities do not allow us to check on the presence of nitrosonornicotine in smoke, and as far as we are aware there are no readily adaptable methods for this purpose. Consequently what we are proposing to do is to study the problem indirectly by examining the transfer of radio-activity to smoke from tobacco treated with nornicotine C14. This should help us decide whether the nitroso derivative is likely to be formed in smoke. If it is found in significant quantities, obviously we shall re-open work on methods of reduction.

Do you agree these recommendations?

I.W. Hughes

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