

19 November 1957

WNS Copy

**UNCLASSIFIED**UK PERSONNEL FOR DUTY AT MARALINGA

1. All personnel selected for duty at Maralinga Range may be exposed to radiation in the course of their military duties.
2. Before leaving the United Kingdom they will be examined for fitness to work with radioactive substances and to serve in a tropical climate.
3. The initial medical examination will include a red cell count packed cell volume, haemoglobin estimation total white cell count and differential count which will be recorded in absolute numbers and not as percentages; a note will be made as to the frequency or absence of abnormal cells.
4. No person will be employed on duties entailing exposure to radiation whose general health or the state of whose blood is unsatisfactory. If two total white counts and lymphocyte counts are below the lower limits of the normal (see para, 7), the individual will not be permitted to take up duties at Maralinga.
5. On return to the United Kingdom the examinations mentioned in para 2 will be carried out except where the average weekly dose is known to have been less than 0.03 RADS per week, and provided there has been no internal radiation hazard. These blood examinations on a group of individuals in the same unit should, preferably, be carried out by the same person each time so as to ensure a uniform and comparable technique.
6. Medical officers and A.Ds P. will scrutinize the reports on the blood examinations and their subsequent action will be guided by the following standards :-

	<u>TOTAL W.B.C.</u>	<u>TOTAL P.M.Ns.</u>	<u>TOTAL LYMPHS</u>	<u>ABNORMAL CELLS</u>
Limits of normal	4,500-12,100	2,250-8,200	1,100-3 800	NIL
Warning level	4,500	3,000(+2,500)	1,000	NIL
Rejection level	3,000	2,000	750	PRESENT

+For personnel under 19 years of age

A steady and progressive fall in successive blood counts or a fall below the "warning" level indicates that the individual must be removed from all contact with radioactivity until he has been found fit to return to duties involving exposure to radioactivity. The examination will be performed by a medical specialist.

7. Documentation

- (a) F Med 12 (Request for special exam) will be initiated by the officer responsible for supervision of the individual's medical condition. When the exam has been carried out, Part 2 of F Med 12 will be completed by the pathologist who will also arrange for a copy of F Med 12 to be typed on F Med 7 (out-patient record). The flimsy copy of F Med 7 will be sent to the individual's unit for inclusion in F Med 4. The card copy will be sent thro' the ADP command to the WO (AMD Stats) for filing in F Med 29 in the case of Mil pers. Civilian blood counts will be sent to the [REDACTED].
- (b) Special Health Register. In addition to the above documentation each ADP will keep a special register in which will be recorded each successive blood examination.