

20 November 1950

A. C. Graves, Leader J-Division
T. N. White, Alternate Leader Group J-9
EXPERIMENTS BY H-1 PERSONNEL AT GREENHOUSE

REPOSITORY Los Alamos NL
COLLECTION CI-2
BOX No. 11331-1
FOLDER Greenhouse, F. Newe folk

REFERENCE: NO- 4289

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Classification changed to UNCLASSIFIED by authority of the U.S. E.O. 11652

Per DOREIS H. DUNNING
(Person authorizing change in classification and date)
By [Signature]
(Signature of person making the change and date)

1. By previous agreement between Dr. Shipman and Gen. Cooney, accommodations will be provided in TU 3.1.5 for six representatives of H-1 at Operation Greenhouse. It was agreed that these H-1 representatives would serve as active members of TU 3.1.5 and not as observers. It was subsequently requested of Gen. Cooney by T. N. White that provision be made for some rotation of personnel, so that more H-1 personnel could obtain Test experience. As indicated in the attached manning table, this proposal provides for maximum overlap at the second Shot, when it is anticipated that Rad-Safety problems may be most difficult.

2. The main purpose of this memo is to request approval by you and Gen. Cooney of the undertaking of certain experiments by H-Division personnel at Operation Greenhouse. It would be understood that, if approved, no experimental work would be undertaken to the detriment of regular duties of H-Division personnel as members of TU 3.1.5. As Gen. Cooney's Technical Deputy, I would make it my personal duty to see that there was no infringement on this agreement.

3. The objectives and personnel of the proposed experiments are:

Expt. I. To attempt a quantitative measure of the hazard of dusty operations, particularly on the Shot Island soon after the Shot. The excellent work of W. N. Ray provided valuable information on conditions a year after a Shot. It is believed that there are good practical reasons for obtaining information about conditions existing much sooner after a Shot. The practical question is: Under what conditions is it necessary to wear respirators during dusty operations, or to wet down the soil to avoid dust in the air?

If this experiment is undertaken, it would probably be necessary to ship a small amount of additional equipment to the forward area.

Personnel: Responsible Investigators: Charles H. Perry and Harry Schulte. Assistants: H-1 Monitors, or other monitors, as regular work permits.

Expt. II. To attempt a quantitative measure of beta-ray exposure in typical operations where this type of exposure might be significant. It is generally agreed that beta-ray burns cannot occur (during the Tests) except by actual contact with active material, and that adequate control of gamma-ray exposure, plus proper contamination checking, will prevent burns even if the beta

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