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a. If letter or memo:

To: W. P. Gammill, Chief, HP Branch

From: R. P. Bird, HP, Health Physics Branch.

Subject: SNAPTRAN REPORT

b. If report:

Title:

4. Document Date:

August 3, 1964

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5. Summary (2-3 lines indicating the major subject(s) of the document): Bird documents changes in proposed SNAPTRAN 2/10A-3 Radiological Monitoring Report, expanding HP role and recommends increased participation in and sharing the workload. Outline of Monitoring report is included.

6. Name and telephone number of person completing form: Burton R. Baldwin (208) 525-0203	7. Organization: Lockheed Idaho Technologies Co.	8. Date: March 29, 1995
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☐ Check here if a copy of the document is being sent to Headquarters.

HUMAN RADIATION EXPERIMENTS

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DOCUMENT TITLE: SNAPTRAN REPORT

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ITEMS OF INTEREST:

W. P. Gamill, Chief
Health Physics Branch

August 3, 1964

R. P. Bird, Health Physicist
Health Physics Branch

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Snaptran

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Snaptran Report

SNAPTRAN REPORT

SYMBOL: HSEB:RFB

Enclosed with this memo is the majority of descriptive material, in first draft form, for a report on the Radiological Monitoring, SNAPTRAN 2/10A-3 Destructive Test. The outline followed for this material is also included. As you know, STEP people want to expand the scope of the report, primarily in analyzing the test direct radiation and by including a hazard evaluation of a postulated SNAP accident. Such an expanded scope means greater STEP participation in preparing the report. A new outline is also to be prepared. Preparation of the report is scheduled as follows:

September 1 - first draft for review and revision by the writers
September 15 - draft for review by supervisors
November 1 - published report

A tentative breakdown of writing responsibilities has been agreed to between G. Dinneen, R. Fielding, and myself. This breakdown will be based more definitely on the revised outline and will require considerable work on my part in the next few weeks. A copy of the material enclosed with this memo has also been sent to TAN.

This memo is intended to inform of the change in target dates for my work, to transmit the material I have prepared so far, and to indicate some concern with this new turn of events. I am in agreement that a single report of all test monitoring activities and results is desirable. In my opinion the report will be essentially the efforts of Dinneen, Fielding and myself but the recognition of these efforts will be difficult to ensure. I believe that, if the work progresses consistent with present indications, authorship of the report will belong to Dinneen, Fielding, and Bird. My concern is that an editor may be assigned, perhaps Ormand Cordes, and that major contributors will be recognized including half a dozen persons providing some analytical work. I propose that when an outline is agreed to and division of writing responsibilities is assigned authorship should be established in a definite manner.

Enclosures:

SNAPTRAN Report Draft

OUTLINE

- I. Introduction
 - A. SNAPTRAN Program
 - B. Radiological Monitoring Program
 - C.
 - D. Scope of the Report
- II. Preparations
 - A. Operational Plans
 - B. Instrumentation
 - 1. General
 - 2. Radiation Instruments
 - 2.1 Monitors
 - 2.2 Dosimeters
 - 2.3 Neutron Detectors
 - 3. Environmental Samplers
 - 3.1 Water Samplers
 - 3.2 Air Samplers
 - 4. Meteorological Instruments
 - C. Meteorological Forecasting Program
- III. Radiological and Meteorological Measurements
 - A. General
 - B. Radiation Measurements
 - C. Environment Samples
 - D. Meteorological Measurements

IV. Analysis of Measurements

- A. General
- B. Radiation Hazards
- C. Hazards from Airborne Material
- D. Diffusion Analysis
- E. Estimates of Fission Products Released into Air

V. Conclusions

- A. Test Conclusions
- B. SNAP Accident Hazards
- C. Adequacy of Radiological Monitoring Program