

~~understand the substance of our offer of March 25, 1980, of the reasons~~  
behind it. Discussions on April 23, 1980, between our medical personnel  
(Department of Energy and Brookhaven National Laboratory) and Mr. Copaken's  
medical consultant, Dr. Robert G. Loeffler, were most helpful in clarifying  
many of these issues, however. It presumably is a consequence of these  
discussions that Mr. Copaken verbally requested us to amplify upon our  
offer of March 25, 1980.

This amplification basically consists of a detailed identification of the  
laboratory tests to be included under the general term "biochemical  
screening profile" which was included in paragraph 1 of the proposed agree-  
ment appended to my letter of March 25, 1980. The identification of  
specific tests included under that term is appended to this letter. You  
will note that it includes hematological, biochemical and urological  
analyses, plus other indicators, which would clearly identify, among other  
things, any evidence of thyroid dysfunction or of blood dyscrasias.

Clearly, any possible radiation exposure of the people of Likiep Atoll has  
been considerably less than that experienced by the people of Rongelap and  
Utirik, and, at this time, after 26 years of medical follow-up, we have no  
reason to believe that diseases which have not appeared among the Rongelap  
and Utirik populations would appear among any other populations in the  
Marshall Islands as a consequence of any possible lower levels of radiation  
exposure (e.g., bone cancer or ophthalmic effects).

DOCUMENT DOES NOT CONTAIN ECI

Reviewed by DJ Kresch Date 5/1/97

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Except for the enclosed clarification of the first paragraph as indicated, the proposed agreement included in my letter to Mrs. Van Cleve of March 25, 1980, remains valid.

We hope that this will clarify our previous proposal and will be responsive to your request and that of Mr. Copaken.

Sincerely,

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Bruce W. Wachholz, Ph.D.  
Office of Health and Environmental  
Research, Office of Environment

Enclosure

bcc: OHER Reading File  
Wachholz's Reading File  
L. Brothers, DASEV/P, EV-2

CONCURRENCES	
RTG. SYMBOL	BWachholz
INITIALS/SIG.	
DATE	6/ /80
RTG. SYMBOL	TMcCraw
INITIALS/SIG.	
DATE	6/ /80
RTG. SYMBOL	JViren
INITIALS/SIG.	
DATE	6/ /80
RTG. SYMBOL	JBlair
INITIALS/SIG.	
DATE	6/ /80
RTG. SYMBOL	WWBurr
INITIALS/SIG.	
DATE	6/ /80
RTG. SYMBOL	HHollister
INITIALS/SIG.	
DATE	6/ /80
RTG. SYMBOL	RCClusen
INITIALS/SIG.	
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STUDIES TO BE INCLUDED PER THE PROPOSED AGREEMENT OF MARCH 25, 1980

- I. Medical History
- II. Clinical Studies
- III. Laboratory Tests
  - A. Hematological Analyses
    - 1. White Blood Cell
    - 2. Red Blood Cell
    - 3. Hematocrit
    - 4. Hemoglobin
    - 5. Platelet
    - 6. Differential Count
    - 7. Computation of Cell Indices
    - 8. Cellular Morphology
  - B. Biochemical Analyses
    - 1. T<sub>4</sub>
    - 2. TSH
    - 3. HTG
    - 4. SMA-20, including
      - a. Sugar
      - b. Electrolytes
      - c. Lipids
      - d. Serum protein
      - e. Uric acid
      - f. Blood urea nitrogen

As indicated to follow thyroid carcinoma

g. Creatinine

h. LDH

i. CPK

j. And such other tests as may be indicated by disease patterns (e.g., alkaline phosphatase, cholesterol, etc.)

C. Urinalysis, Including Routine Microscopic Analysis

IV. Other

Where confirmatory evidence is indicated (e.g., gamma camera imaging, biopsies), such tests would be recommended on a case-by-case basis.