

MAR 24 1987

Docket Nos. 030-7022  
030-19146  
CAI No. 87-02

License Nos. 29-13613-02  
29-13613-03

Radiation Technology, Incorporated  
Attn: Mr. Tass Varaklis  
Vice President  
Operations and Engineering  
108 Lake Denmark Road  
Rockaway, New Jersey 07866

Gentlemen:

Subject: Characterization of Possible Buried Radioactive Material

During a telephone conversation between yourself and Messrs. Thomas T. Martin and John R. White of this office on March 23, 1987, you made the following commitments relative to your actions to characterize the burial of any radioactive materials within the protected area bounding Radiation Technology, Incorporated's (RTI) irradiator facility in Rockaway, New Jersey.

In regard to this matter, we understand:

1. By April 3, 1987, you will perform, document and submit to this office a gridded radiation survey of the fenced area bounding the RTI irradiator facility (excluding buildings and immediately adjacent areas that are directly affected by irradiator operations). Such survey will be sensitive enough to distinguish areas that are twice background and sufficiently comprehensive to identify all anomalous indications of radioactivity at the ground surface that could be the result of buried radioactive material.
2. By April 3, 1987, you will submit to this office a plan for locating and identifying the sources of anomalous indications of radioactivity in the ground that could be the result of buried radioactive material. The plan will incorporate non-invasive techniques, such as Ground Penetrating Radar or other methods capable of detecting and identifying sub-surface objects that may contain radioactive material and provide for soil sampling as necessary to distinguish whether the anomalous radioactivity is from an object or incorporated in the soil.
3. Prior to opening any containers suspected of containing radioactive material that may have been or were buried at the RTI facility, or are otherwise unidentifiable with respect to contents; and prior to initiating any excavation or core boring for the purpose of exploring for or uncovering any buried material, including radioactive material, you will notify Mr. John R. White of this office (215-337-5102) for the purpose of giving the NRC an opportunity to witness either of these activities.

OFFICIAL RECORD COPY

8703300505 870324  
REQ1 LIC30  
29-13613-02 PDR

RETURN ORIGINAL TO  
REGION I

110  
E-07

Radiation Technology, Inc.

2

MAR 24 1987

If our understanding of your planned actions, as described above, is not in accordance with the actions being implemented, please contact this office by telephone and in writing within 24 hours of your receipt of this letter.

The response requested by this letter is not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

Sincerely,

Original Signed By:  
James H. Joyner

Thomas T. Martin, Director  
Division of Radiation Safety  
and Safeguards

cc:  
Public Document Room (PDR)  
Nuclear Safety Information Center (NSIC)  
State of New Jersey

bcc:  
E. Flack, IE  
G. Sjoblom, IE  
R. Cunningham, NMSS  
J. Lieberman, OGC  
J. Hickey, NMSS  
V. Miller, NMSS  
J. Allan, RI  
T. Martin, RI  
J. Joyner, RI  
J. White, RI

RI:DRSS  
White  
3/24/87

RI:DRSS  
Joyner  
3/24/87

RI:DRSS  
Martin  
3/24/87

OFFICIAL RECORD COPY

RI:DRSS  
Gutierrez  
3/24/87

RI:DRSS  
Allan  
3/24/87