



Georgia Institute of Technology

NEELY NUCLEAR RESEARCH CENTER
800 ATLANTIC DRIVE
ATLANTA, GEORGIA 30332-0425

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(404) 894-3600

July 26, 1990

OFFICE OF SECRETARY
DOCKETING & SERVICE
BRANCH

MEMORANDUM

To: R.A. Karam

From: B. Copcutt

B.C. [Signature]

Subject: facility high radiation areas

I have investigated radiation levels in the containment building and come to the conclusion that several locations meet the criteria for being posted as "High Radiation Areas" (H.R.A.). The definition of a H.R.A. in 10 CFR 20 is as follows:

"any area, accessible to personnel, in which there exists radiation (...) at such levels that a major portion of the body could receive in any one hour a dose in excess of 100 millirem."

A survey performed on 7/24/90 (copy attached) shows levels in excess of 100 mrem/hr in 4 locations which are not currently posted as "High Rad. Areas". The survey was performed with the reactor at 4 MW power level. The areas identified are...

1. reactor top
2. biomedical facility on first floor
3. outside of process equipment room door on ground floor
4. niche under biomedical room beam port on ground floor

10 CFR 20 requires that the access point to each high rad. area be controlled by either...

1. maintaining the area locked, or
2. using a device to reduce radiation levels below 100 mrem/hr if an individual enters, or
3. using a visible or audible alarm such that the individual entering the area and a supervisor are alerted to the entrance, or
4. direct surveillance to prevent unauthorized entry (only for high rad. areas established for 30 days or less).

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G PDR

NUCLEAR REGULATORY COMMISSION

Docket No. 50-460-REN EXHIBIT NO. 23

In the matter of Go Tech

☐ Staff ☒ Applicant ☐ Intervenor ☐ Other

☒ Identified ☐ Received ☐ Rejected Reporter WLV

Date 5/21/96 Witness Sc