

July 7, 1995

MEMORANDUM TO: Donald A. Cool, Director  
Division of Industrial and Medical  
Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards

(original signed by  
B. S. Mallett)

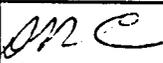
FROM: Bruce S. Mallett, Director  
**Division of Radiation Safety and Safeguards**

SUBJECT: STATUS REPORT OF REGION II REVIEW OF OAK RIDGE NATIONAL  
LABORATORY (ORNL) LIST OF POTENTIALLY CONTAMINATED  
SITES

The quarterly status reports for those Region II sites contained on the ORNL list of formerly licensed sites identified as potentially contaminated are contained in Attachments 1, 2, and 3. The status reports for those sites with an ORNL final score greater than 300 are at Attachment 1. The status reports for those sites with an ORNL final score from 5 to 300 which have been reviewed and remain in an open status are at Attachment 2 and the reports for those sites which Region II recommends be closed and deleted from the list are at Attachment 3. The information required for the Monthly Information Status Report is at Attachment 4. A tabular summary of all files assigned to Region II is at Attachment 5.

If you have any questions regarding these reports or our evaluations, please contact Mr. Jay L. Henson of my staff at (404) 331-0344.

- Attachments:
- (1) Reports for sites >300
  - (2) Reports for sites <300 (remain open)
  - (3) Reports for sites <300 (recommend deletion)
  - (4) Monthly Information Status Report
  - (5) Tabular summary for all Region II sites

| SEND TO PUBLIC DOCUMENT ROOM?                                       |   |   |   |         |         |         |
|---|---|---|---|---------|---------|---------|
| YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |   |   |   |         |         |         |
| OFFICE  | RII:DRSS  | RII:DRSS  | RII:DRSS  |         |         |         |
| SIGNATURE   |  |  |  |         |         |         |
| NAME  | JHenson   | JPotter   | DCollins  |         |         |         |
| DATE  | 07/7/95   | 07/7/95   | 07/7/95   | 07/ /95 | 07/ /95 | 07/ /95 |
| COPY?   | <input checked="" type="checkbox"/> YES NO  | YES <input checked="" type="checkbox"/> NO  | <input checked="" type="checkbox"/> YES NO  | YES NO  | YES NO  | YES NO  |

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\DRSS\6-95TS.MEM

STATUS REPORTS FOR SITES WITH SCORES <300  
(REMAIN IN OPEN STATUS)

Attachment 2

REGION II TERMINATED SITES  
LIST

SITE STATUS REPORT

JUNE 30, 1995

Docket No. 030-09859  
03

License No. 45-10085-

Licensee Name: Roanoke  
College

Site Name: Physical Science and Life Science  
Buildings

Site Address: North College  
Avenue

City: Salem State: VA Zip: 24153

Regional Contact: Jay L. Henson  
0344

Phone: (404) 331-

Status Summary:

ORNL Final Ranking:  
66

Background

In June, 1974, Roanoke College was issued Byproduct Material License 45-10085-03 authorizing the possession of the following:

(1) any byproduct material between Atomic Nos. 3 and 83, inclusive, in any form, with a possession limit of 10 mCi of each, inclusive, except I mCi each of Strontium 90 and Iodine 131, and a total possession limit of 100 mCi for all materials

(2) Americium 241 as sealed sources or electroplated discs with an activity limit of I microcurie

(3) Cobalt 60 as foils with an activity limit of  
30 mCi

The authorized use for (1) and (2) was instruction and laboratory research and for (3) was experiments in surface physics and sputtering.

In December, 1979, this license was amended to a storage only license pending disposition of the licensed materials.

A NRC-314 form dated November 3, 1981, indicated that all materials procured and/or possessed under this license were transferred to the Virginia Polytechnic Institute and State University under their license (45-09475-30). The license was not formally terminated but was simply allowed to expire in July, 1981. There are no records of a final survey performed by the licensee of the facilities where licensed activities

were conducted in the docket file and no indication that the NRC performed a closeout survey.

**REGION II TERMINATED SITES  
LIST**

**SITE STATUS REPORT**

**JUNE 30, 1995**

Roanoke College  
03  
Salem, VA

License No. 45-10085-

Docket No. 030-09859

In August, 1985, Roanoke College was issued Byproduct Material License No. 45-10085-04 which authorized them to possess 1 mCi of Carbon 14 in any form for use in laboratory research studies. In

December, 1986, their license was amended to authorize a maximum possession limit of 2 mCi. This license is currently active. The authorized locations of use under the 45-10085-03 license compared to those locations authorized under License No. 45 10085-04 are listed below:

|                  |  |                                       |
|------------------|--|---------------------------------------|
| Building         | 45-10085-03                                      | 45-10085-04                           |
| Physical Science | 176, 177A, 177B,<br>178, 179<br>266B, 266C, 266D | 266B, 266C,<br>266D                   |
|                  | 462  |                                       |
| Life Sciences    | 215, 217   | 215, 217, 201,<br>201A, 201B,<br>218E |
| 217A,            |  |                                       |
|                  | 410  | 410, 409A, 410A                       |

In a December, 1986, amendment to the current license (45- 10085-04), the licensee deleted rooms 266C and 266D in the Physical Science Building and room 409A in the Life Sciences building as areas of use.

Assessment

Many of the facilities where licensed activities were performed under License No. 45-10085-03 continue to be utilized for similar activities authorized under the current license (45-10085-04). In a December 4, 1979, letter contained in the 45-10085-03 docket file, the licensee stated that it would submit a report of the surveys conducted in the areas where materials have been stored when all materials were disposed or transferred. This report, if submitted, is not in the docket file.

Region II will send Roanoke College a letter requesting that they send copies of any reports of final surveys performed in those facilities where licensed activities were performed under License No. 45-10085-03 to demonstrate that when this license expired, all facilities met the criteria for unrestricted release. If Roanoke

**REGION II TERMINATED SITES LIST**

**SITE STATUS  
REPORT**

**JUNE 30, 1995**

Roanoke College

License No. 45-10085-03

Salem, VA

Docket No. 030-09859

College cannot produce these reports, then Region II will request that Roanoke College perform these surveys in those facilities where licensed activities were performed under License No. 45-10085-03, excluding those facilities where licensed activities are currently performed under License No. 45-10085-04. Copies of the Region II and Roanoke College correspondence regarding this matter will be placed in the 45-10085-04 docket file for reference regarding the future decommissioning of these facilities.

Region II forwarded a letter to Roanoke College on March 30, 1995, requesting information on the radiological status of those facilities used under this terminated license which are not being used under their current license (License No. 45-10085- 04). As of June 30, 1995, Roanoke College has not responded to this letter. Region II will follow-up with additional telephonic contacts and/or written correspondence to obtain an answer to the March 30 letter.