

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

FROM: Bruce S. Mallett, Director
Division of Nuclear Materials Safety

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 I through 4. The status reports for those sites with an ORNL final score greater than 300 which remain open are in Attachment 1 and those with a score from 5 to 300 where Region II has performed some action are listed in Attachment 2. The status reports for those sites which are recommended for deletion are listed in Attachment 3. The information required for the Monthly Information Status Report is in Attachment 4. A tabular summary of all files assigned to Region II is in Attachment 5.

Region II recently received copies of most of the remaining files for the sites with sealed sources not accounted for. However, not all sealed source files on the ORNL list have been forwarded to Region II (Attachment 6). When all sealed source files are received, the seventy pending cases will be sorted by state and divided among the staff for follow-up and resolution.

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 (remain open)
(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
(6) List of sealed source files not in Region II



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W., SUITE 2900
ATLANTA, GEORGIA 30323-0199

May 16, 1996



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NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA STREET, N.W., SUITE 2900
 ATLANTA, GEORGIA 30323-0199

See previous concurrence

OFFICE	RII:DNMS	RII:DNMS				
SIGNATURE						
NAME	JHenson*	JPotter*				
DATE	06 / / 96	06 / / 96	06 / / 96	06 / / 96	06 / / 96	06 / / 96
COPY?	YES NO					

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

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 1 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 1 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.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II TERMINATED SITES LIST
101 MARIETTA STREET, N.W., SUITE 2900
ATLANTA, GEORGIA 30323-0199
SITE STATUS REPORT

MAY 13, 1996

Docket No. 030-09859

License No. 45-10085-03

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

Phone: (404) 331-0344

Status Summary:

ORNL Final Ranking: 66

MAY 13, 1996

Roanoke College
03

License No. 45-10085-

Salem, VA
09859

Docket No. 030-

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,	
	178, 179	
	266B, 266C, 266D	266B, 266C, 266D
	462	
Life Sciences	215, 217	215, 217,
		201A, 201B,
	217A,	218E
	410	410, 409A, 410A

201,

In a December, 1986, amendment to the current license (45- 1008504), 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 11 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 College cannot produce these reports, then Region II will request that Roanoke College



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REGION II
101 MARIETTA STREET, N.W., SUITE 2900
ATLANTA, GEORGIA 30333
REGION II TERMINATED SITES LIST

SITE STATUS REPORT

MAY 13, 1996

Roanoke College
03
Salem, VA

License No. 45-10085-
Docket No. 030-09859

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. 4510085-04. 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 11 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. After several attempts, on October 25, 1995, Region II personnel were able to telephonically reach an individual at Roanoke College who will respond to the letter.

Licensee personnel were contacted on February 6, 1996, for update on status. Licensee has contacted former employees who used material under the terminated license. Licensee is waiting for information from one user before determining what further action to take. Licensee is considering performing additional surveys of formerly utilized laboratories.

In a telephone conversation on May 8, 1996, licensee personnel reported that they had completed their investigation into the status of the former use areas and would submit a report of their findings by the end of the month. They stated that based upon **their investigation, only short** half-life materials was used in the areas in question.



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NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W., SUITE 2900
ATLANTA, GEORGIA 30331-7199

REGION II TERMINATED SITES LIST

SITE STATUS REPORT