

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.

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



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

March 23, 1995

MEMORANDUM TO:

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

FROM:

J. Philip Stohr, 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

A handwritten signature in black ink, appearing to read "J. Philip Stohr", is written over the typed name of the sender in the "FROM:" field.

STATUS REPORTS FOR SITES WITH ORNL SCORE >300

Attachment 1

**REGION II TERMINATED SITES
LIST**

SITE STATUS REPORT

MARCH 24, 1995

Docket No. 040-00575

License No. C-3469

Licensee Name: American Lava-
Corporation

Site Name: Central Research
Building

Site Address: 25 Cherokee
Boulevard

City: Chattanooga State: TN Zip: 37405

Regional Contact: Jay L. Henson
0344

Phone: (404) 331-

Status Summary:

ORNL Final Score: 6140 (included with American Lava facility licensed under SNM-00109)

Background

In April 1956, American Lava was issued Source Material License No. C-3469 authorizing possession and use of 200 pounds of refined source material for experimental purposes.

On June 7, 1957, the license was amended to authorize possession and use of 600 pounds of refined source material for fabrication into ceramic fuel for reactors and for experimental purposes.

On August 27, 1957, an inspection was conducted at the facility. At that time the licensee had received a total of 450 pounds of THO and 220 pounds of UO₂ under the license. The inspector describes the operation as consisting of two rooms in the rear of the licensee's Central Research Building located a few blocks from the processing plant. In the Preparation Room, material was weighed, ball milled, mixed, dried, and then compressed in a 65,000 p.s.i. press. In the Kiln Room, pellets received from the Preparation Room were heated in a hydrogen atmosphere. The Kiln Room was vented to a vacant lot behind the building. No information on the quantity of material processed through the laboratory was given. This operation was essentially a testbed for the production facility subsequently licensed under SNM-00109. No other inspection reports are in the file.

On February 19, 1959, the possession limit was increased to 11,500 pounds.

REGION 11 TERMINATED SITES LIST

SITE STATUS REPORT

MARCH 24, 1995

American Lava Corporation
(A subsidiary of 3M)
Chattanooga, TN

License No. C-3469
Docket No. 040-00575

By letter dated June 28, 1960, the licensee requested termination of Source Material License No. C-3469. The licensee stated that no source material was on hand at the time, but provided no information concerning disposition of material or decontamination/closeout surveys of the research facility.

By AEC letter dated July 13, 1960, the license was terminated.

Former American Lava employees have stated that the former research building still stands at the corner of Cherokee Blvd. and Ames Ave. in Chattanooga. They believe it is occupied by elements of the Hamilton County government.

Assessment

There was a potential for contamination of the laboratory and adjoining vacant lot. There are no records concerning closeout surveys or facility cleanup.

On March 2, 1995, Region 11 personnel performed a followup inspection of this facility. It is currently occupied by the Southeast Tennessee Development District and elements of the Hamilton County Sheriff's Office. Access to original surface areas in the building was limited. The radiation levels of those surfaces which were accessible and surveyed were less than two times the background radiation level. These surfaces included concrete and painted brick materials. It was not possible to determine if the levels of radiation detected above background were due to formerly licensed material or naturally occurring materials in the concrete and brick.

The results of the survey were documented in a report sent to NMSS for concurrence. Based upon the results of the inspection/survey, and the history of the facility, Region 11 is recommending that this facility be deleted from the terminated sites list. A final decision on this recommendation will be rendered after review of the inspection report by NMSS.