

September 25, 1998

MEMORANDUM TO: John T. Greeves, Director
Division of Waste Management
Office of Nuclear Material Safety and Safeguards

FROM: Douglas M. Collins, Director *original signed by C. Hooley for*
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 Region II sites contained on the ORNL list of formerly licensed sites which were identified as potentially contaminated are contained in Attachments 1 through 4. The status reports for 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 which Region II has reviewed and remain open are listed in Attachment 2. Each assessment paragraph in Attachments 1 and 2 reflects the quarterly status at the time of the evaluation. The information required for the Monthly Information Status Report is in Attachment 3. A tabular summary of all files assigned to Region II is in Attachment 4. Please note that the most current information in the attachments is in bold.

If you have any questions regarding these reports or our evaluations, please contact Mr. Bryan A. Parker of my staff at (404) 562-4728.

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

OFFICE	RII:DNMS	RII:DNMS	RII:DNMS					
SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>					
NAME	BParker	TDecker	CHooley					
DATE	9/25/98	9/25/98	9/25/98	9/ /98	9/ /98	9/ /98	9/ /98	9/ /98
COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

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STATUS REPORTS FOR SITES WITH ORNL SCORE >300
(Remain In Open Status)

1. SNM-00724 Union Carbide Corporation
2. 45-02808-02 Atlantic Research Corporation
3. 08-01393-02 Naval Research Laboratory

REGION II TERMINATED SITES
LIST
SITE STATUS REPORT

September 24,
1998

Docket No. 030-03925
01393-02

License No. -08-

Licensee Name: -Department of
the Navy

Site Name: U. S. Naval Research
Laboratory

Site Address: 4555 Overlook
Avenue

City: Washington, DC

State:

Zip: 20375

Regional Contact: Bryan A. Parker
4728

Phone: (404) 562-

Status Summary:

ORNL Final Score:
3352

Background
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The license was issued on January 8, 1957, and authorized any form of byproduct material with atomic numbers 3-83 for various research and development activities. The two authorized places of use included the main lab at 4555 Overlook Avenue, Washington, DC, and the Waldorf Annex Facility on State Rte. 228, Southern Prince George's County, Maryland.

At the Waldorf Annex site, the licensee used H-3 targets, a 6-curie Cs-137 source and various small calibration sources in an underground bunker housing a Kaman Neutron Generator. In September-October 1981, the licensee conducted a cleanup and decommissioning of the bunker. The NRC conducted a closeout survey of the facility on August 23, 1982, and found no residual contamination (fixed or removable).

At the Overlook Avenue site, Buildings 89 and 100 were used in the 1957-1986 timeframe. Building 89 was used for metallurgical testing and laundering of contaminated clothing. Building 100 was an outside area surrounding Building 89 in which 41 10-foot steel storage tubes were buried within a concrete slab for radioactive material storage. In July-October 1985, the licensee decommissioned both areas. In January 1986, the NRC conducted a closeout survey of the areas, including a buried

tank used for collecting laundry wastewater. Some contamination was identified which was remediated by the

REGION II TERMINATED SITES
LIST

Attachment
1

SITE STATUS REPORT

September 24, 1998

Department of the Navy
02
Washington, DC

License No. 08-01393-
Docket No. 030-03925

Background (cont'd)

licensee. Final surveys showed no residual contamination (fixed or removable) in the building or surrounding soil.

In November 1987, the remainder of the facilities at the Overlook Avenue site were transferred to Navy Permit No. 08-00173-EINP under the Navy Master Material License (NMML) (License No. 45-23645-01NA). at which time License No. 08-01393-02 was terminated as part of the overall transfer of Navy licenses to Navy permits under the NMML.

Assessment

From its review, Oak Ridge determined that, in general, the Overlook Avenue site did not need further review since it was transferred to a Navy permit under the NMML. However, it did recommend that the closeout survey conducted by NRC for Buildings 89 and 100 on that site be reviewed to ensure that the current guidelines have been met. In addition, it recommended that the Waldorf Annex site be given a cursory review, to verify that the licensee's and NRC's closeout surveys were adequate for release. Region II plans to review these surveys to verify that the decommissioning efforts were adequate. Also, the file contains information regarding wastes apparently buried in the 1950s or 1960s at three locations within the same general area on the Overlook Avenue site. NRC records from the 1986 timeframe reference the burials, but no other information was found that provided closure of the issue. Region II plans to discuss this issue with the Navy by November 30, 1998. After discussions with the Navy, Region II will attempt to resolve the issue by December 31, 1998.