

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

INSPECTION REPORT

Report No. 030-19416/94-001

Program Code 3620

Docket No. 030-19416

License No. 37-12821-02

Priority 5

Category E

Licensee: Calgon Corporation
P. O. Box 1346
Pittsburgh, Pennsylvania 15230

Facility Name: Calgon Corporation

Inspection At: Route 60
Campbells Run Road
Moon Run, Pennsylvania 15230

Inspection Conducted: January 28, 1994

Inspector: Sheri A. Arredondo 3/7/94
Sheri A. Arredondo, Health Physicist date

Approved by: M. S. Shanbaky 3/9/94
Mohamed M. Shanbaky, Chief date
Research & Development Section

Inspection Summary: Closeout Inspection on January 28, 1994 (Inspection No. 030-19416/94-001)

Areas Inspected: Announced, closeout inspection limited to a survey of radioisotope laboratories in Buildings 2 and 3, Route 60, Campbells Run Road, Moon Run, Pennsylvania for residual contamination prior to release of the facility for unrestricted use.

Results: No violations were identified. No remaining radioactive material was found.

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Details

1. Person Contacted

Jasbir S. Gill, Ph.D., Radiation Safety Officer (RSO)

2. Background

In a letter dated October 6, 1993, Calgon Corporation submitted a request to terminate NRC License No. 37-12821-02. Since that time, no radioactive materials have been used at the licensee's facilities. All radioactive materials were transferred on October 5, 1993 by NDL Organization for disposal by a licensed waste broker.

A closeout survey was performed by the licensee of radioisotope laboratories located in Laboratory B1 of Building 3 and Laboratory 8 of Building 2. A copy of the results were submitted to the NRC in a letter dated December 13, 1993.

3. Instruments Used in Survey

Ten wipe samples were taken to measure removable contamination in Laboratory B1 of Building 3 and Laboratory 8 of Building 2. Use of radioactive materials at the facility was limited to these two laboratories. The only long-lived radioisotope that was used at this facility is carbon-14. Wipes were counted on a Packard Tri-Carb Liquid Scintillation Analyzer at the NRC Region I analytical laboratory. The Lower Limit of Detection for this system for carbon-14 is 4 disintegrations per minute (dpm).

A survey was performed of benchtops, floors, fume hoods, and sinks in these same laboratories. The survey was performed using an Eberline Model E-120 Geiger Counter with an end-window probe.

4. Results of Removable Contamination Survey

Areas of 100 square centimeters were tested at ten locations throughout the facility. A diagram showing the locations of wipes is included as Attachment A to this report. A complete list of wipe results is included as Attachment B to this report.

5. Results of Radiation Level Survey

No levels of radiation above background were found.

6. Residual Materials

The laboratories are empty and no radioactive material remains at this facility. Licensee records indicate that radioactive materials were transferred to a licensed waste broker on October 5, 1993.

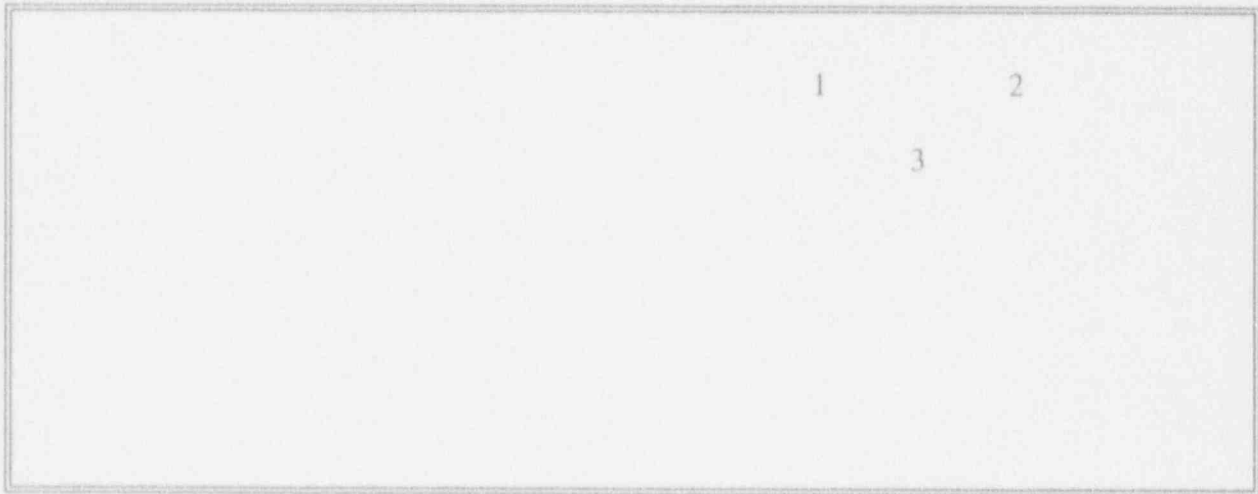
7. Exit Interview

The results of the initial survey were discussed with Dr. Jasbir S. Gill at the conclusion of the inspection.

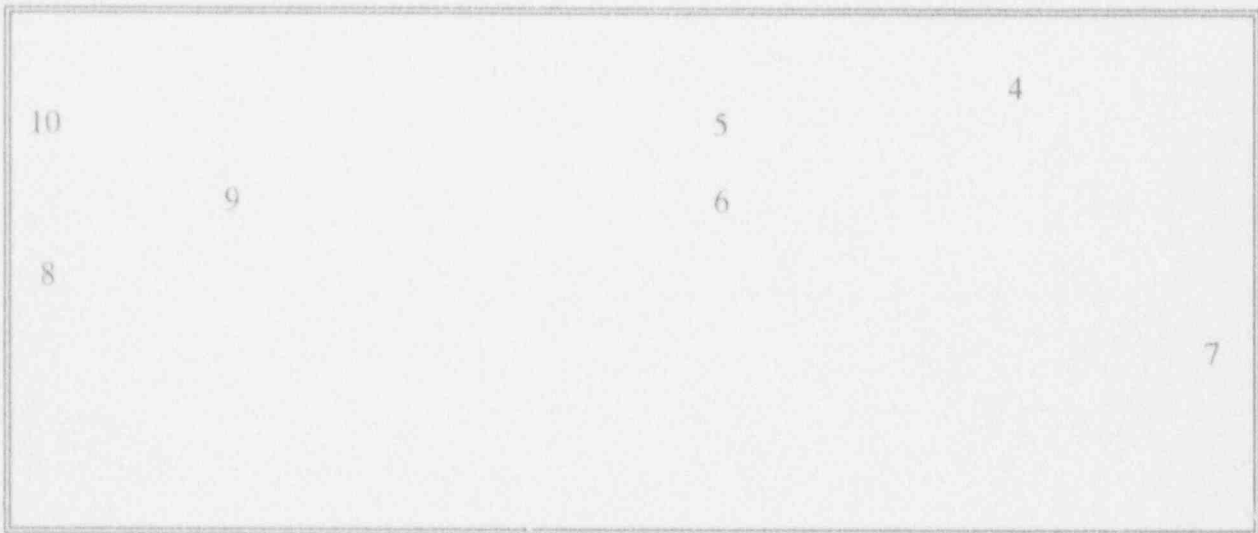
ATTACHMENT A

DIAGRAM OF REMOVABLE CONTAMINATION SURVEY

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Building 3 - Lab B1



Building 2 - Lab 8

Attachment B

RESULTS OF REMOVABLE CONTAMINATION SURVEY

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	<u>Location</u>	<u>Carbon 14 (dpm/wipe)</u>
1.	Left wall of fume hood	4
2.	Floor of fume hood	< LLD
3.	Floor	< LLD
4.	Floor of fume hood	< LLD
5.	Floor	< LLD
6.	Bench top	4
7.	Floor	< LLD
8.	Bench top	< LLD
9.	Floor	< LLD
10.	Sink	5