

MATERIALS LICENSE

Amendment No. 06

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

| | |
|--|--|
| Licensee | In accordance with letters dated August 28, 1996, and September 16, 1996 |
| 1. SMV America | 3. License Number 34-26121-01 is amended in its entirety to read as follows: |
| 2. 8380 Darrow Road Twinsburg, OH 44087 | 4. Expiration Date September 30, 2005 |
| | 5. Docket or Reference No. 030-31486 |

6. Byproduct, Source, and/or Special Nuclear Material

7. Chemical and/or Physical Form

8. Maximum Amount that Licensee May Possess at Any One Time Under This License

A. Barium-133

A. Sealed Source

A. 750 microcuries

B. Technetium-99m

B. Any

B. 75 millicuries

9. Authorized Use:

A. To be used for the calibration and testing of gamma cameras.

B. To be used for the calibration and testing of gamma cameras.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2307 East Aurora Road, Suite B7, Twinsburg, Ohio, and 8380 Darrow Road, Twinsburg, Ohio.

11. Licensed material shall be used by, or under the supervision and in the physical presence of, William Noble or individuals who have been trained as specified in application dated January 16, 1990. The licensee shall maintain records of individuals designated as users.

12. The Radiation Safety Officer for this license is Gary Argento.

13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532-4351. The report shall specify the source involved, the test results, and corrective action taken.
- E. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to Perform such services.
14. Sealed sources containing licensed material shall not be opened.
15. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.
16. This license does not authorize commercial distribution of licensed material.

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17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Applications dated January 16, 1990, April 25, 1991, August 15, 1994 and January 23, 1995;
 - B. Letters dated July 11, 1991, October 17, 1994, January 23, 1995, and August 15, 1995 (with attachments), February 20, 1996, April 4, 1996, August 28, 1996 and September 16, 1996; and
 - C. Letter received June 7, 1995.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 18 OCTOBER 1996

By

William P. Reichhold
Nuclear Materials Licensing Branch, Region III

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BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03124
Status Code: 0
Fee Category: 3P
Exp. Date: 20050930
Fee Comments:
Decon Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: SMV AMERICA
Received Date: 960829
Docket No: 3031486
Control No.: 301786
License No.: 34-26121-01
Action Type: Amendment

2. FEE ATTACHED

Amount: X
Check No.: X

* addl info
399994 - 57

3. COMMENTS

Signed
Date

D. Hersey
9-30-96

FEE NOT REQUIRED

B. LICENSE FEE MANAGEMENT BRANCH (Check when in testing Q3 is entered / ☒ /)

1. Fee Category and Amount: 3P

2. Correct Fee Paid. Application may be processed for:

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

SC 9/4/96

SEP 09 1996

| | |
|------------------|------------|
| Log | Sept 1 III |
| Remitter | |
| Check No. | |
| Amount | |
| Fee Category | 3P |
| Type of Fee | AMD |
| Date Check Rec'd | |
| Date Completed | 9/4/96 |
| By: | SC |



*"Combining
the high energies
of Sopha
and Summit"*

Nuclear Regulatory Commission
Region III
801 Warrensville Road
Lisle, Illinois 60532-4351

Reference Control # 399994
License 34-26121-01

Subject: Close out surveys.

August 28, 1996

Enclosed are close out surveys for four SMV facilities. They are listed as follows:

| | | | |
|-----------------------|---------------------|---------------------|------------------------|
| Smv America | Smv America | Smv America | Smv America |
| 2307 East aurora road | 2023 Case Parkway | 2220 Case Parkway | 1993 Case Pkwy |
| Twinsburg, Oh 44087 | Twinsburg, Oh 44087 | Twinsburg, Oh 44087 | Twinsburg, Oh 44087 |

The facility at 2023 Case Parkway did not have any NRC licensed radioactive material. The State of Ohio licenses the sealed sources that were at this facility.

All Radioactive Sources have been moved to our new building at the following address:

SMV America
8380 Darrow Road
Twinsburg, Oh 44087

If you have any additional questions please call me at (216) 425-1340 ext 3069.

Sincerely,

Gary P. Argento
Radiation Safety Officer

Confirmation of 399994
FEE NOT REQUIRED

RECEIVED
AUG 29 1996

REGION III

Pm: 8-28-96

CLOSEOUT SURVEY

SMV AMERICA
2307 EAST AURORA ROAD
TWINSBURG, OHIO 44087

Date: 8/7/96 Conducted By: Gary P. Argento, RSO
SMV America

Survey Meter: Victoreen 498
Calibrated: 3/7/96
SN# 1005
Probe: Thin end window
Model: 493-50

Well Counter:

Picker Spectroscaler IV (Universal Consultants, Inc.)
Efficiency = 95% Co-57

Survey Location

Background: 0.01 mR/hr

Check Source
Reading: 3.0 mR/hr (x10) range

Storage area: 0.01 mR/hr
Floor: 0.01 mR/hr
Work areas: 0.01 mR/hr
Head Build area: 0.01 mR/hr
Disposal area: 0.01 mR/hr

The above data indicates that the restricted area once occupied by SMV America, has been monitored and wipe tested for removable contamination. All results are negative and therefore, the location can be opened to the general public.

Tests were conducted by Gary P. Argento of SMV America and analyzed by Charles Anthony Giomuso of Universal Consultants, Inc. Medical Physics.

Charles Anthony Giomuso
Charles Anthony Giomuso

Gary P. Argento
Gary Argento, RSO, SMV America

MEDICAL PHYSICS SURVEY
CLOSEOUT SURVEY ANALYSIS REPORT

FACILITY: SMV America LOCATION: Twinsburg, Ohio

Analysis of the WIPE used to conduct a Closeout Survey as identified below was performed by gas or scintillation detection and revealed removable contamination was less than 0.005 uCi, unless otherwise noted, when compared against NIST traceable standards.

SOURCE: Storage/Work Areas

Date:

Wipe No: 6428

Gross Wipe CPM: 84

Background CPM: 85

Wipe CPM: 0

CPM for 0.005 uCi:

Analyst: C.A.Giomuso

SOURCE: Disposal Area

Date:

Wipe No: 6429

Gross Wipe CPM: 84

Background CPM: 85

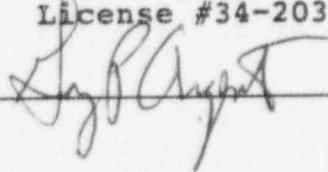
Wipe CPM: 0

CPM for 0.005 uCi:

Analyst: C.A.Giomuso

Performed By: Universal Consultants, Inc
License #34-20327-01

RSO Signature: _____



CLOSEOUT SURVEY

SMV AMERICA
2023 CASE PARKWAY
TWINSBURG, OHIO 44087

Date: 7/31/96 Conducted By: Charles Anthony Giomuso
Universal Consultants, Inc.

Instruments Used

Survey Meter: Ludlum 14C SN#72018
Calibrated: 5/24/96
Probe: Model 44-7 SN#065060
Check Source Reading: 0.5 mR/hr

Well Counter:

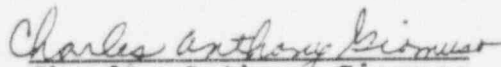
Picker Spectroscaler IV (Universal Consultants, Inc.)
Efficiency = 95% Co-57

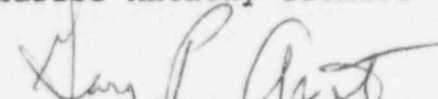
| <u>Wipe Location:</u> | <u>Area Survey</u> | <u>CPM</u> | <u>DPM</u> |
|-----------------------|--------------------|------------|------------|
| Bay #1 | 0.02 mR/hr | 92 | 0 |
| Bay #2 | 0.02 mR/hr | 92 | 0 |
| Bay #3 | 0.02 mR/hr | 92 | 0 |
| Background = | 0.02 mR/hr | 92 | 0 |

Background Count = 93 CPM

The above data indicates that the restricted area once occupied by SMV America, has been monitored and wipe tested for removable contamination. All results are negative and therefore, the location can be opened to the general public.

Tests were conducted and analyzed by Charles Anthony Giomuso of Universal Consultants, Inc. Medical Physics.


Charles Anthony Giomuso


Gary Argento, RSO, SMV America

CLOSEOUT SURVEY

SMV AMERICA
2220 CASE PARKWAY
TWINSBURG, OHIO 44087

Date: 7/31/96 Conducted By: Charles Anthony Giomuso
Universal Consultants, Inc.

Instruments Used

Survey Meter:

Ludlum 14C SN#72018
Calibrated: 5/24/96
Probe: Model 44-7 SN#065060
Check Source Reading: 0.5 mR/hr

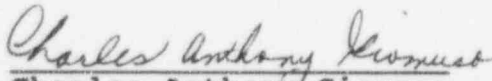
Well Counter:

Picker Spectroscaler IV
(Universal Consultants, Inc.)
Efficiency = 95% Co-57

| <u>Wipe Location:</u> | <u>Area Survey</u> | <u>CPM</u> | <u>DPM</u> |
|-----------------------|--------------------|------------|------------|
| Background: | 0.02 mR/hr | | |
| Empty Storage Area | 0.02 mR/hr | 94 | 10 |
| Former Desk Area | 0.02 mR/hr | 94 | 10 |
| Floor | 0.02 mR/hr | 94 | 10 |
| Restroom Floor | 0.02 mR/hr | 94 | 10 |
| Front Work Area | 0.02 mR/hr | 94 | 10 |
| Side Work Area | 0.02 mR/hr | 94 | 10 |
| Center Work Area | 0.02 mR/hr | 94 | 10 |
| Rear Work Area Right | 0.02 mR/hr | 94 | 10 |
| Rear Work Area Left | 0.02 mR/hr | 94 | 10 |
| Rear Work Area Front | 0.02 mR/hr | 94 | 10 |
| Background CPM | | 84 | 10 |

The above data indicates that the restricted area once occupied by SMV America, has been monitored and wipe tested for removable contamination. All results are negative and therefore, the location can be opened to the general public.

Tests were conducted and analyzed by Charles Anthony Giomuso of Universal Consultants, Inc. Medical Physics.


Charles Anthony Giomuso


Gary Argento, RSO, SMV America

CLOSEOUT SURVEY

SMV AMERICA
1993 CASE PARKWAY
TWINSBURG, OHIO 44087

Date: 7/18/96 Conducted By: Charles Anthony Giomuso
Universal Consultants, Inc.

Survey Meter: Victoreen Thyac III, SN#3548
Calibrated: 7/28/95
Probe: Thin end window type
Model: 489-35 SN#: 2374

Survey Location:

Background: 0.02 mR/hr
Check Source: 0.7 mR/hr
Old Storage Location: 0.02 mR/hr
Classroom: 0.02 mR/hr

Well Counter:

Picker Spectroscaler IV (Universal Consultants, Inc.)
Efficiency = 95% Co-57
Window: 050
Threshold: 700

Wipe Location:

Action Level: 2000 DPM (Restricted area)
Old Storage Location: 0 DPM
Threshold of Classroom
Door: 0 DPM
Sample Count: 85 CPM
Background Count: 87 CPM
Net Count: 0

The above data indicates that the restricted area once occupied by SMV America, has been monitored and wipe tested for removable contamination. All results are negative and therefore, the location can be opened to the general public.

Tests were conducted and analyzed by Charles Anthony Giomuso of Universal Consultants, Inc. Medical Physics.

Charles Anthony Giomuso
Charles Anthony Giomuso

Gary Argento
Gary Argento, RSO
SMV America

OCT 18 1996

Gary Argento
Radiation Safety Officer
SMV America
8380 Darrow Road
Twinsburg, OH 44087

Dear Mr. Argento:

Enclosed is Amendment No. 06 to your NRC Material License No. 34-26121-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note we have extended the expiration date of the license for five years in accordance with the regulations (10 CFR 30.36).

Also note, based upon the close-out survey results in letter dated August 28, 1996, we have authorized release of the facilities located at 1993 Case Parkway, Twinsburg, Ohio and 2220 Enterprise East, Twinsburg, Ohio, for unrestricted use. In addition, we have listed 2307 East Aurora Road, Suite B7, Twinsburg, Ohio, as an authorized location of use, in accordance with your letter dated September 16, 1996.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or

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- b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
- 3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
- 4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;
 - b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - d. Change ownership of your organization.
- 5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements,

G. Argento

-3-

prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
W. P. Reichhold
Nuclear Materials Licensing Branch

License No.: 34-26121-01

Docket No.: 030-31486

Enclosure: Amendment No. 06

DOCUMENT NAME: M:\03031486.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

| | | | | | | | | | |
|--------|---------------------|--|--|--|--|--|--|--|--|
| OFFICE | DNMS/RIII <i>WR</i> | | | | | | | | |
| NAME | WREICHOLD:jaw | | | | | | | | |
| DATE | 10/18/96 | | | | | | | | |

OFFICIAL RECORD COPY

U.S.N.R.C. Region III
Attn: Mr Bill Reichold
801 Warrenville Road
Lisle, IL 60532

Fax # (708) 515-1259

Control # 399994
License # 34-26121-01
Date: 9/16/96

Dear Mr Reichold,

Recently we submitted several close out surveys reflecting the termination of radioactive material use at several of our locations. We wish to inform you that we have reconsidered the formal closing of the following address :

SMV America
2307 East Aurora Road
Twinsburg, Ohio 44087

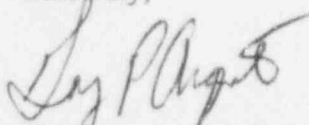
It is our intention to utilize radioactive material at the above address as well as:

SMV America
8380 Darrow Road
Twinsburg, Oh 44087

We have provided you with close-out surveys for all required locations as well as 2307 East Aurora road. A close out would be required for this site because we are now occupying one-half of the original location. And will need to move the place of receipt, use, and storage to the half that we will occupy. To further clarify this issue, we are supplying you with a more detailed diagram of the location that we will use. Note, the address remains the same but will be known as suite # B70..

Please let me know if you require any other information regarding this letter or our request. It is our intention to use radioactive material as soon as possible. My phone number is (216) 425-1340 Ext 3069.

Sincerely,


Gary Argento, R.S.O.

Pm: 9-16-96

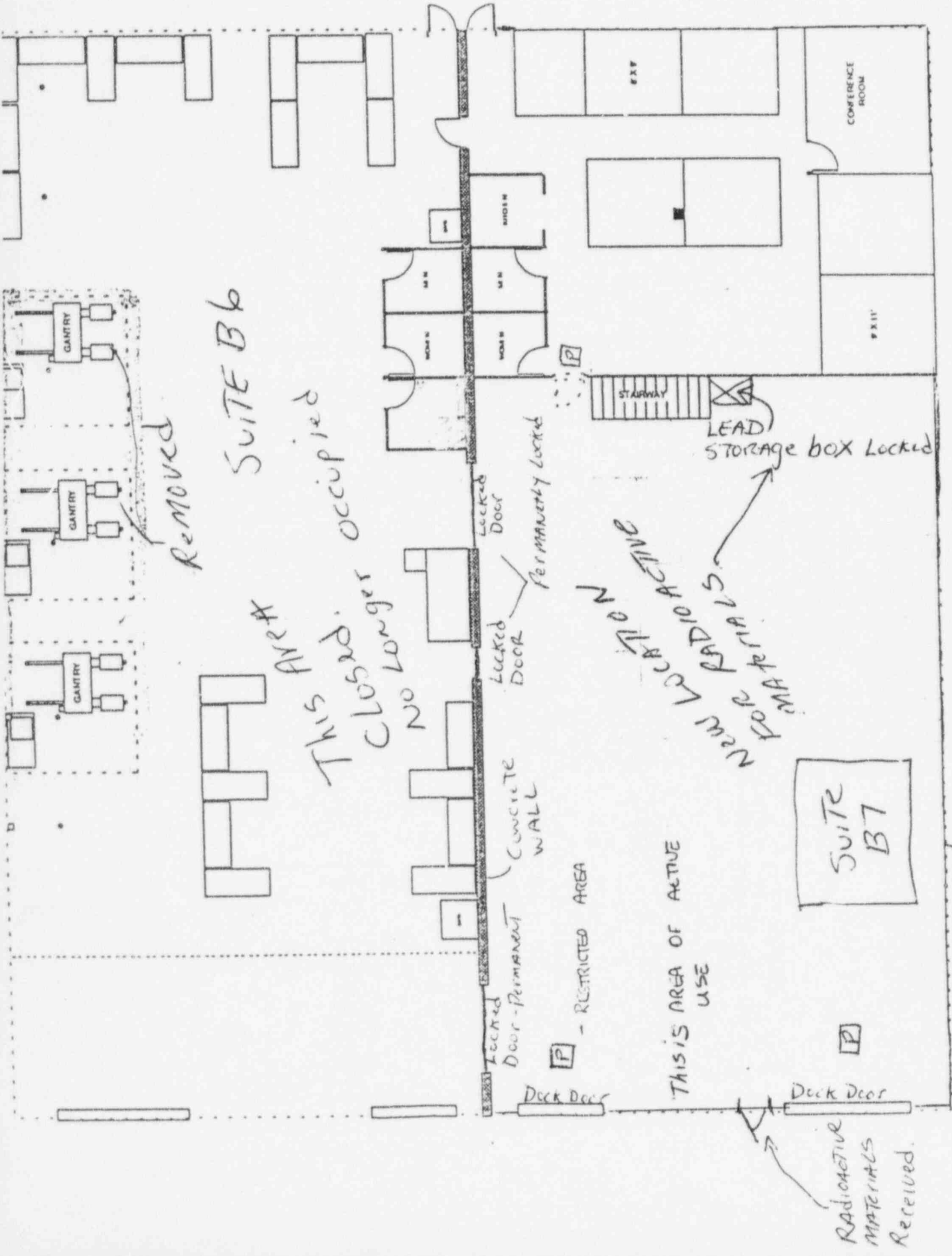
RECEIVED

SEP 17 1996

REGION III

301786

SEP 17 1996



[P] = Radioactive MATERIALS SIGN

2307 EAST AURORA ROAD