

03031763

VOID SHEET

TO: License Fee Management Branch  
FROM: Region I  
SUBJECT: VOIDED APPLICATION

*Mar 6 11  
38  
41 99*

Control Number: 114199  
Applicant: EMAI, Inc.  
Date Voided: 91 10 11  
Reason for Void: \_\_\_\_\_

RECEIVED  
DIVISION OF  
'91 NOV 15 AM 8:29

Material involved not covered by  
this license. Letter is information for  
34-09123-01. Before review. 34-09123-02

Rebecca J. Brown 11/11/91  
Signature Date

Attachment:  
Official Record Copy of  
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:  
 Refund Authorized and processed  
 No Refund Due  
 Fee Exempt or Fee Not Required

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Log completed  
Processed by: MA

100161

9405250270 911111  
PDR ADCK 03031763  
C PDR

VOID SHEET

TO: License Fee Management Branch

FROM: Region I

SUBJECT: VOIDED APPLICATION

Control Number: 114199

Applicant: EMAI, Inc.

Date Voided: 91 10 11

Reason for Void: Material involved not covered by this license. Letter is information for 34-09123-02 before review. 34-09123-02 34-09123-01 (U.S. Cement) termination action has been completed. The -01 and -02 are duplicate licenses. The licensee may have been confused on the need to amend their license

for disposing some of their licensed material Rebecca J. Brown 11/11/91  
with the termination request for the -01 license.  
Signature Date

Attachment:  
Official Record Copy of

Handy - <sup>11/29</sup>  
Per your conversation w/ Duncan White 11/25  
Attach copy of previously sent void sheet with clarification.  
Cok

Log completed  
Processed by: \_\_\_\_\_

ION COPY

November 8, 1990

U.S. Nuclear Regulatory Commission  
475 Allendale Rd.  
King of Prussia, PA. 19406

Dear Sirs:  
This letter is to inform you that we E.M.A.I. Corporation are in the process of disposing of one of our four density gauges.

Applied Health Physics, Inc. of 2986 Industrial Blvd. Belthel Park, PA 15102-0197, has contracted with us to remove, provide transportation and disposal of this gauge.

This gauge was manufactured by Nuclear Chicago  
Model # 5176  
Serial # 73  
Isotope Cesium 137  
Amount 450mC  
Date 3-15-63

We would like you to amend our license.  
We The E.M.A.I. Corporation as of February 27 1990 acquired the United States Cement, Inc. cement plant located in Bessemer PA. We are presently operating under an extension of their license. License # 34-09123-01  
Included with this letter is a copy of this license. Also we have included a copy of Applied Health Physics inc's. license. license # 37-14600-01

If you are in need of any more information please contact me Dan Wingard Radiation Safety Officer at the following phone number (216) 536-6275 ask for Bessemer Extension 54.

Essroc Materials Inc.  
P.O. Box 5250  
Poland Ohio 44514

Thank You  
Dan Wingard

|                  |       |
|------------------|-------|
| Log              | ML-6  |
| Remitter         |       |
| Check No.        | 12452 |
| Amount           | \$300 |
| Fee Category     | 3P    |
| Type of fee      | AMT   |
| Date Check Rec'd | 9/13  |
| Date Completed   | 9/18  |
| By:              | Ref   |

RECEIVED  
DIVISION OF LICENSING  
91 MAR 13 AMO:32  
U.S. NUCLEAR REGULATORY COMMISSION

114199

November 8, 1990

U.S. Nuclear Regulatory Commission  
475 Allendale Rd.  
King of Prussia, PA. 19406

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If you are in need of any more information please contact me Dan Wingard Radiation Safety Officer at the following phone number (218) 536-8275 ask for Bessemer Extension 54.

Essroc Materials Inc.  
P.O. Box 5250  
Poland Ohio 44514

Thank You  
Dan Wingard

**MATERIALS LICENSE**

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, 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  |  | 3. License number  | 34-09123-01              |
| 1. SME Bessemer Cement, Inc.                          |  | 4. Expiration date   | November 30, 1989        |
| 2. P. O. Box 5250<br>Poland, Ohio 44514               |  | 5. Docket or Reference No.   | 7030-22024<br>7-09123-01 |
| 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. Cesium 137   | A. Sealed Sources (Nuclear Chicago Model RR 138 or 833512 or U. S. Nuclear 373 or 378) | A. Not to exceed 500 millicuries   |                          |
| 9. Authorized use                                     |  | For use in Nuclear Chicago Model 506 or 517G gauges for continuous density measurements. |                          |

**CONDITIONS**

10. Licensed material shall be used only at the licensee's facilities at Second Street, Bessemer, Pennsylvania.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions, and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Harold Lipp, Paul Borzick, Richard Mehocic.
13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.  
  
(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

34-09123-01

Docket or Reference number 030-22024

37-09123-01

(13.A.continued)

CONDITIONS

- (3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surface of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U.S. Nuclear Regulatory Commission, Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19401, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated March 15, 1984, for analysis by Siemens Gammasonics, Inc. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
15. Installation, relocation, removal from service, maintenance, repair, and initial radiation survey of devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in devices shall be performed only by Texas Nuclear Corporation or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the sealed sources and the date of the inventory.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

34-09123-01

Docket or Reference number 030-22024

37-09123-01

(continued)

CONDITIONS

17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated March 15, 1984. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



18 DEC 1984

Date \_\_\_\_\_

For the U.S. Nuclear Regulatory Commission

By

Nuclear Materials and Safeguards Branch  
Region I  
King of Prussia, Pennsylvania 19406

Diff Copy Is For Your Files

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, 40 and 70, and in reliance on statements and representation 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.

|  |  |
|--|--|
| <p>Licensee</p> <p>1. Applied Health Physics, Inc.</p> <p>2986 Industrial Boulevard</p> <p>2 Bethel Park, Pennsylvania 15102</p> | <p>In accordance with application dated July 29, 1980</p> <p>3. License number 37-14600-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 1988</p> <hr/> <p>5. Docket or Reference No.</p> |
|--|--|

| 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. Any byproduct material   | A. Any                           | A. 25 curies total   |
| B. Any source material  | B. Any                           | B. 100 kilograms total   |
| C. Plutonium 238, Plutonium 239, Plutonium 240, Plutonium 242, and/or Plutonium 244 | C. Any                           | C. 200 grams total   |
| D. Uranium 233, and/or Uranium 235  | D. Any                           | D. 300 grams total   |
| E. Americium 241  | E. Waste material                | E. <sup>600</sup> 2 millicuries total  |
| F. Plutonium 238 and/or 239   | F. Waste material                | F. 200 microcuries total   |

9. Authorized use

- A. through D. For receipt, possession and storage in pre-packaged wastes picked up at customer facilities for transfer to persons authorized to store or dispose of the licensed material pursuant to the terms and conditions of a specific license issued by the U. S. Nuclear Regulatory Commission or an Agreement State.
- E. and F. For storage only in packaged containers.



MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

37-14600-01

Docket or Reference number

Amendment No. 06

## CONDITIONS

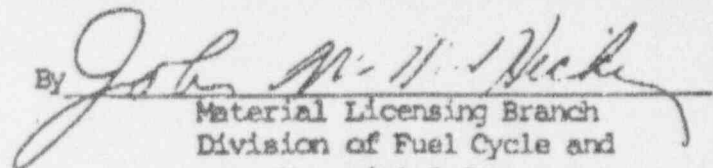
10. Pre-packaged wastes containing licensed material may be possessed and stored at 2986 Industrial Boulevard, Bethel Park, Pennsylvania and may be possessed in the licensee's transportation vehicles anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed materials.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision and in the physical presence of, John H. Douglas, Robert G. Gallagher, John E. Nipar, Edwin E. I. Njoku Robert L. Gallagher or John Harshman.
13. The licensee shall not open packages containing licensed material except as authorized by specific conditions of this license.
14. The licensee is authorized to open packages containing licensed material wastes in accordance with the procedures described in the licensee's Safety Practice and Operating Procedures Manual dated July 30, 1980.
15. Except as specified in Subitem 9.E., this license does not authorize the possession of any individual package containing licensed material waste for a period of more than nine months from the date of receipt of the package.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 29, 1980; and letters dated September 30, 1980 and April 18, 1983. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

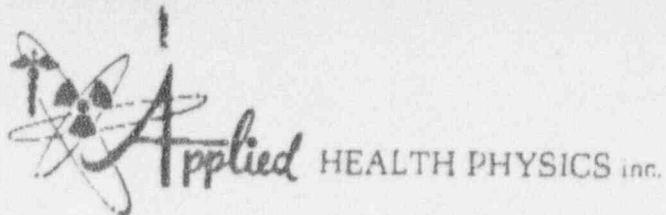
SEP 26 1983

Date \_\_\_\_\_

By



Material Licensing Branch  
Division of Fuel Cycle and  
Material Safety  
Washington, D. C. 20555



2986 Industrial Blvd. — Bethel Park, Pa. 15102 — Phone 412 — 835-9555 — Fax No. 412 — 835-9559

November 6, 1990

Mr. Dan Wingard  
ESSROC MATERIALS  
P.O. Box 5250  
Poland, Ohio 44514

Dear Dan:

In reference to our phone conversation this morning this letter serves as notification that upon receipt of the radioactive material by Applied Health Physics, we will take possession and title of your Cesium 137 source (237 mCi) ultimately relieving Essroc Materials of any liability once removed from your facility. We look forward to serving you, and should you have any questions regarding the disposal of your source or any of our other services please don't hesitate to call me at (412)835-9555. Thank you.

Sincerely,

APPLIED HEALTH PHYSICS, INC.

Richard A. Sokol  
Senior Sales Executive

**APPLIED HEALTH PHYSICS, INC.**

2986 Industrial Blvd. Bethel Park, PA 15102-0197

**PROPOSAL**

Proposal No. 00141

Sheet No. 1 of 1

Date October 15, 1991

| Proposal Submitted to   | Work To Be Performed At |
|---|-------------------------|
| Attn: Dan Wingard<br>ESSROC MATERIALS<br>P.O. Box 5250<br>Poland, OH 44514<br><br>Telephone No. (216)536-6275 | Bessemer, PA            |

We hereby propose to furnish all the materials and perform all the labor necessary for the removal, transportation, disposal of one (1) radioactive source (Cs-137, approximately 237 mCi) for a fixed fee of \$1400.00. Applied Health Physics will take title of source once removed from your facility. We can perform this within 7 days of your purchase order.

Any alternation or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control.

Respectfully submitted, **APPLIED HEALTH PHYSICS, INC.**

Per *Richard A. Sokol*  
 Richard A. Sokol, Senior Account Executive

Note -- This proposal may be withdrawn by us if not accepted within 30 days.

**ACCEPTANCE OF PROPOSAL**

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Accepted \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Shipper No. \_\_\_\_\_

Carrier No. \_\_\_\_\_

Page 1 of 1


**APPLIED HEALTH PHYSICS**

(Name of Carrier)

(SCAC)

Date 11-20-90

TO: **APPLIED HEALTH PHYSICS**  
 On Collect on Delivery shipments, the letters "COD" must appear before consignee's name & or as otherwise provided in Item 430, Sec. 1.  
 Street 2986 INDUSTRIAL BLVD  
 Destination BETHEL PARK PA Zip Code 15102

FROM: Shipper  
  
**ESSROC MAT'LS**  
**HEALTH PHYSICS**  
BESSEMER, PA  
 Street 2086 Industrial Blvd P.O. Box 197  
 Bethel Park, PA 15102 412-563-2242

Vehicle Number

| No. of Units & Container Type | HM | DESCRIPTION AND CLASSIFICATION<br>(Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203)               | UN# or NAB | TOTAL QUANTITY<br>(Weight, Volume, Gallons, etc.) | WEIGHT<br>(Subject to Correction) | RATE | CHARGES<br>(For Carrier Use Only) |
|-------------------------------|----|---|------------|---|-----------------------------------|------|-----------------------------------|
| (1) TYPE A sealed Source      |    | RADIOACTIVE Materials, N.O.S.<br><br>ISOTOPE - CS137<br>Activity - 237 mCi<br><br>DOT LABEL - RADIOACTIVE<br>YELLOW II<br><br>RQ - NA | UN 2982    |   | 150                               |      |                                   |

PLACARDS TENDERED: YES  NO

REMIT C.O.D. TO ADDRESS

Note - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ \_\_\_\_\_ per \_\_\_\_\_

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by ~~air~~  Rail  Highway  Water (DELETE NON-APPLICABLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

*John Koval* Signature

COD

Amt: \$ \_\_\_\_\_

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE: PREPAID  COLLECT  \$ \_\_\_\_\_

TOTAL CHARGES: \$ \_\_\_\_\_

FREIGHT CHARGES

FREIGHT PREPAID  except when box at right is checked

Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or

any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER *Daniel B. Wingard*

CARRIER *John Koval*

PER

PER 11-20-90

DATE

2



RADIOACTIVE MATERIALS TRANSFER RECORD

SHIPMENT DATA

TRANSFERRED TO: (RECEIVER'S NAME & ADDRESS)  
**APPLIED HEALTH PHYSICS**  
 2986 INDUSTRIAL BLVD, BETHEL PARK, PA 15102  
 Lic# \_\_\_\_\_ TELEPHONE NO. (412) 835-9555

SHIPMENT NO. PO# \_\_\_\_\_

TRANSFERRED FROM: **ESSROC MATERIALS**  
 BESSEMER, PA Tel# (216) 536-6275

REASON FOR TRANSFER: **DISPOSAL**

DESCRIPTION OF SHIPMENT: **SEALED SOURCE**

DESCRIPTION OF CONTAINER: **TYPE A**

NO. OF SIMILAR CONTAINERS: **1**

LOCATION OF SHIPMENT: \_\_\_\_\_

TO BE SHIPPED VIA: **TRUCK** DATE: **11-20-90** BILL OF LADING # \_\_\_\_\_

VALUATION \$ \_\_\_\_\_

RAIL  Rwy EXPRESS  TRUCK  U. S. MAIL  AEC COURIER  AIR CARGO OR PASS.

ID# **UN2982** NAME: **RADIOACTIVE MATERIAL, N.D.S.**

RADIOACTIVE MATERIALS, NORMAL FORM N.D.S.  RADIOACTIVE MATERIALS, SPECIAL FORM N.D.S.  RADIOACTIVE DEVICES

RADIOACTIVE MATERIALS, LOW SPECIFIC ACTIVITY  RADIOACTIVE WASTES  THORIUM  URANIUM

FISSIONABLE RADIOACTIVE MATERIALS  CLASS I  CLASS II  CLASS III  LARGE QUANTITY RADIOACTIVE MAT'L'S.

MONITORING DATA

| Container No. | Type | Vol. (Pt.) | Wt. (Lbs.) | Radiation (m Rad/hr) |         | Surface Contamination |            | CONTENTS            |        |       | Quant. Type | Trans. Index |
|---------------|------|------------|------------|----------------------|---------|-----------------------|------------|---------------------|--------|-------|-------------|--------------|
|               |      |            |            | Surface              | @ 3 Ft. | Alpha                 | Beta-gamma | Isotopes            | Curies | Form  |             |              |
| 1             | A    | 1.4        | 4.5        | .3                   | -       | -                     | -          | CS137               | .237   | SOLID | A           | .3           |
|               |      |            |            | MODEL # 5176         |         |                       |            | (450mCi on 3/15/63) |        |       |             |              |
|               |      |            |            | SERIAL # 73          |         |                       |            |                     |        |       |             |              |

DATE OF SURVEY: **11-20-90** BY: **John Koval** COMMENTS: \_\_\_\_\_

LABELING

No Labeling required - shipment meets the conditions for exemption.

Package is approved for shipment since it will be escorted by courier.

Label reading "Radioactive material - gamma radiation at surface of parcel less than 10 milliroentgens for 24 hours - no significant alpha, beta or neutron radiation."

Packages are approved for shipment under applicable regulations provided each bears the following label:

| Container Numbers | RADIOACTIVE |           |            |
|-------------------|-------------|-----------|------------|
|                   | White I     | Yellow II | Yellow III |
| 1                 |             | X         |            |
|                   |             |           |            |

Vehicle must be marked on each side, front and rear - "Radioactive." (4" black letters on yellow)

CERTIFICATE

This is to certify that the above named articles are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Date: **11-20-90** Signed for the shipper by: **John Koval** For: \_\_\_\_\_

In the event of an accident or damage to this shipment:

(SHIPPER) Immediately contact: \_\_\_\_\_ Telephone: Area Code \_\_\_\_\_

RECEIVING RECORD

Transferred To Receiver

Notify shipper of any damage without delay. The attached copy of this form MUST BE RETURNED to sender with the following information:

Shipment received by \_\_\_\_\_ Date \_\_\_\_\_ Freight Bill # \_\_\_\_\_ Charges \_\_\_\_\_

Shipment monitored on \_\_\_\_\_ by \_\_\_\_\_ Results: \_\_\_\_\_

Condition of shipment (Note any physical or operating discrepancy and IMMEDIATELY notify sender and freight carrier.)

FILE

THIS COPY FOR  SENDER  RECEIVER  SHIPPER  TO ACCOMPANY SHIPMENT  HP RECORD  \_\_\_\_\_

NOTE: THE SHADED AREAS OF THIS FORM ARE FOR PURCHASING DEPT. USE ONLY.  
AFTER FILLING OUT REQUISITION, REMOVE ONLY LAST COPY & FORWARD BALANCE TO PURCHASING.



# PURCHASE REQUISITION

1091



**TO BE COMPLETED BY REQUISITIONER**

SUGGESTED VENDOR: APPLICATIVE PHYSICS, INC.  
2986 INDUSTRIAL BLVD  
ETHAHL PARK, PA 15122-0197

ACCOUNT NUMBER \_\_\_\_\_  
DATE MATL NEEDED: 11-21-90      DIRECT CHARGE   
EQUIP / JOB NO \_\_\_\_\_      STOCK   
DELIVERY LOCATION: BESSMER PLANT      QUOTE ONLY

**FOR PURCHASING DEPT. USE ONLY**

VENDOR \_\_\_\_\_  
DATE ORDERED \_\_\_\_\_      ORDER NO. \_\_\_\_\_  
JOB \_\_\_\_\_  
DELIVERY DATE \_\_\_\_\_  
TAX EXEMPT: YES       NO

| QUANTITY | PURCHASING DEPT. USE ONLY<br>ESSROC PART NO. | DESCRIPTION<br>ID NUMBER, PARTS LIST, EQUIPMENT MODEL & SERIAL NO.   |
|----------|--|--|
|          |  | <u>THE REMOVAL, TRANSPORTATION, DISPOSAL OF ONE</u><br><u>(1) RADIOACTIVE SOURCE (Cs-137, APPROXIMATELY</u><br><u>237 mCi) FOR A FIXED FEE OF \$1400.00.</u> |
|          |  |  |
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TOTAL ▶

|   |           |      |
|---|-----------|------|
| REQUESTED BY: <u>Paul Bosnik</u>  | APPROVALS | DATE |
| DATE: <u>11/7/90</u>  |           |      |
| <input type="checkbox"/> BUDGETED <input type="checkbox"/> NON-BUDGETED |           |      |
| REMARKS:  |           |      |

This Copy is For Your Files

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, 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 application dated July 29, 1980                             |  |
| 1. Applied Health Physics, Inc.<br>2986 Industrial Boulevard<br>Bethel Park, Pennsylvania 15102 |                                  | 3. License number 37-14600-01 is amended in its entirety to read as follows:   |  |
|   |                                  | 4. Expiration date September 30, 1988  |  |
|   |                                  | 5. Docket or Reference No.   |  |
| 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. Any byproduct material   | A. Any                           | A. 25 curies total   |  |
| B. Any source material  | B. Any                           | B. 100 kilograms total   |  |
| C. Plutonium 238, Plutonium 239, Plutonium 240, Plutonium 242, and/or Plutonium 244             | C. Any                           | C. 200 grams total   |  |
| D. Uranium 233, and/or Uranium 235  | D. Any                           | D. 300 grams total   |  |
| E. Americium 241  | E. Waste material                | E. 2 millicuries total   |  |
| F. Plutonium 238 and/or 239   | F. Waste material                | F. 200 microcuries total   |  |

9. Authorized use

- A. through D. For receipt, possession and storage in pre-packaged wastes picked up at customer facilities for transfer to persons authorized to store or dispose of the licensed material pursuant to the terms and conditions of a specific license issued by the U. S. Nuclear Regulatory Commission or an Agreement State.
- E. and F. For storage only in packaged containers.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

37-14600-01

Docket or Reference number

Amendment No. 06

CONDITIONS

10. Pre-packaged wastes containing licensed material may be possessed and stored at 2986 Industrial Boulevard, Bethel Park, Pennsylvania and may be possessed in the licensee's transportation vehicles anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed materials.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision and in the physical presence of, John H. Douglas, Robert G. Gallagher, John E. Nipar, Edwin E. I. Njoku, Robert L. Gallagher or John Harshman.
13. The licensee shall not open packages containing licensed material except as authorized by specific conditions of this license.
14. The licensee is authorized to open packages containing licensed material wastes in accordance with the procedures described in the licensee's Safety Practice and Operating Procedures Manual dated July 30, 1980.
15. Except as specified in Subitem 9.E., this license does not authorize the possession of any individual package containing licensed material waste for a period of more than nine months from the date of receipt of the package.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 29, 1980; and letters dated September 30, 1980 and April 18, 1983. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

SEP 26 1983

Date \_\_\_\_\_

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

By John M. H. Wick  
 Material Licensing Branch  
 Division of Fuel Cycle and  
 Material Safety  
 Washington, D. C. 20555



MATERIALS LICENSE

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, 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   |  | 3. License number  | 34-09123-01              |
| 1. SME Bessemer Cement, Inc.   |  | 4. Expiration date   | November 30, 1989        |
| 2. P. O. Box 5250<br>Poland, Ohio 44514  |  | 5. Docket or Reference No.   | 030-22024<br>37-09123-01 |
| 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. Cesium 137  | A. Sealed Sources (Nuclear Chicago Model RR 138 or 833512 or U. S. Nuclear 373 or 378) | A. Not to exceed 500 millicuries   |                          |
| 9. Authorized use  |  |  |                          |
| For use in Nuclear Chicago Model 506 or 5176 gauges for continuous density measurements. |  |  |                          |

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities at Second Street, Bessemer, Pennsylvania.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions, and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Harold Lipp, Paul Borzick, Richard Mehocic.
13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.  
(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

34-09123-01

Docket or Reference number 030-22024

37-09123-01

(13.A.continued)

## CONDITIONS

- (3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission, Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated March 15, 1984, for analysis by Siemens Gammasonics, Inc. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
15. Installation, relocation, removal from service, maintenance, repair, and initial radiation survey of devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in devices shall be performed only by Texas Nuclear Corporation or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the sealed sources and the date of the inventory.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

34-09123-01

Docket or Reference number 030-22024

37-09123-01

(continued)

CONDITIONS

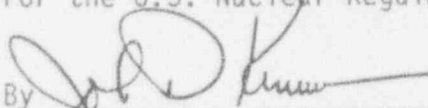
- 17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated March 15, 1984. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



For the U.S. Nuclear Regulatory Commission

18 DEC 1984

Date \_\_\_\_\_

By 

Nuclear Materials and Safeguards Branch  
Region I  
King of Prussia, Pennsylvania 19406

EMAI, INC.  
dba Essroc Materials, Inc.  
ATTN: Dan Wingard  
P.O. Box 5250  
Poland, OH 44514

MAP 2 5 1991

Gentlemen:

This refers to your letter dated November 8, 1990, for an amendment to Materials License 34-09123-02.

Your request is subject to an amendment fee of \$300 as specified in fee Category (3P) of §170.31, 10 CFR 170, which went into effect July 2, 1990. A copy of the May 23, 1990, Federal Register notice regarding the revision to the Commission's fee regulations is enclosed. Payment of the \$300 fee should be made to the U.S. Nuclear Regulatory Commission and mailed to the following address:

U.S. Nuclear Regulatory Commission  
ATTN: Sandra Kimberley  
License Fee and Debt Collection  
Branch, OC/DAF  
Mail Stop MNBB 4503  
Washington, DC 20555

Your application will be processed by the Region I Licensing staff located at 475 Allendale Road, King of Prussia, Pennsylvania 19406. The fee, however, is required prior to issuance of the amendment. When submitting the fee, please refer to CONTROL NUMBER 114199.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application and will void this action.

Sincerely,

*/s/*

Maurice Messier  
License Fee and Debt Collection Branch  
Division of Accounting and Finance  
Office of the Controller

Enclosure:  
May 23, 1990, Federal Register notice

cc: Region I

DISTRIBUTION:  
Pending Fee File  
OC/DAF R/F  
LFDCB R/F (2)  
DW/ABRI/EMAI

OFFICE: OC/LFDCB *SK*  
SURNAME: SKimberley:ab  
DATE: 3/19/91

OC/LFDCB *MM*  
MMessier  
3/19/91

OC/LFDCB *GJ*  
GJackson  
3/22/91

: (FOR LFMS USE)  
: INFORMATION FROM LTS  
: -----  
:  
: PROGRAM CODE: 03120  
: STATUS CODE: 0  
: FEE CATEGORY: 3P  
: EXP. DATE: 19950731  
: FEE COMMENTS:  
: .....

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: EMAI, INC.  
RECEIVED DATE: 910228  
DOCKET NO: 3031763  
CONTROL NO.: 114199  
LICENSE NO.: 34-09123-02  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: -----  
CHECK NO.: -----

3. COMMENTS

SIGNED TMA  
DATE 03/08/91

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 11/1)

1. FEE CATEGORY AND AMOUNT: 3P ----- \$300

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT -----  
RENEWAL -----  
LICENSE -----

3. OTHER -----  
-----

SIGNED Rita Jacques  
DATE 9/5/91