

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 03010749/92001(DRSS)

Docket No. 030-10749

License No. 48-16296-01      Priority 1      Category C-1      Program Code 03320

Licensee: Midwest Inspection Services, Ltd.  
P.O. Box 28023  
Green Bay, WI 54304

Inspection At: 3171 Gross Street  
Green Bay, Wisconsin

Inspection Conducted: October 9, 1992

Inspector: D. R. Gibbons  
D. R. Gibbons

December 2, 1992  
Date

Approved By: B. J. Molt  
B. J. Molt, Chief  
Nuclear Materials Inspection  
Section 1

12/28/92  
Date

Inspection Summary

Closeout Inspection on October 9, 1992 (Report No. 03010749/92001(DRSS))

Areas Inspected: Unannounced, closeout inspection limited to survey of facility, a selective examination of representative records, independent measurements and interviews with personnel.

Results: No violations were identified. Licensed material was properly disposed of prior to termination of the license.

## DETAILS

### 1. Persons Contacted

\*Mr. Donald Paschen, President, Radiation Safety Officer, Midwest Inspection Services

\*\*Mr. Robert Storey, Partner, Mid-American Inspection Services

\*Present at exit meeting.

\*\*Denotes telephone contact on October 9, 1992.

### 2. Receipt and Transfer of Licensed Material

All records of receipts of licensed material for 1992 and samples of records back to 1981 were reviewed. The licensee possessed ten radiographic exposure devices in 1981. Records indicated that two of those devices were sold in late 1986 to High Mountain Inspections located in Rock Springs, Wyoming. Six exposure devices, and one changer were transferred to Mid-American Inspection Services located in Gaylord, Michigan (see Attachment A). Two of the exposure devices were transferred to Wilson Inspection and X-Ray Services, Inc. located in Corpus Christi, Texas (see Attachment B).

Two exposure devices were observed at the Midwest Inspection Services facility during the inspection (see Attachment C). They were being used by Mid-American Inspection Services personnel located at this facility. One unit was stored in a truck. This device was not part of Midwest Inspection Services' inventory. Its use was authorized by Mid-American's license. The other unit (SN 2043) was packaged and prepared for shipment to Source production and Equipment Company, Inc. (SPEC), supplier of the exposure device.

It was determined by a telephone contact to Robert Storey, a partner in Mid-American Inspection Services, that the two radiographers (Donald Paschen and Robert Buss) had both successfully completed the company's training program, including a written test and practical test. This permitted them to possess and use licensed material at the Green Bay, Wisconsin facility. The arrangements were further explained to Region III during a telephone call to Mid-American's Radiation Safety Officer on October 20, 1992 (see Attachment D).

No violations were identified.

### 3. Instruments Used in Survey

Radiation surveys were made with a Gamma Industries SMAC 252b survey instrument last calibrated on September 24, 1992. The unit prepared for shipment (SN 2043) read a maximum of 3 mR/hr at contact with the package and 0.1 at one meter from the package. The meter reading was determined

with a Ludlum 14-C coupled to an open end window probe. That instrument (SN 013179) was last calibrated on September 24, 1992. The package contained approximately 3 curies of Ir-192 as a sealed source.

Previous leak test records revealed that Midwest Inspection Services had never possessed a leaking or contaminated radioactive sealed source.

No violations were identified.

4. Exit Interview

The results of the survey were discussed with the individuals listed in Section 1 of this report. The inspector informed them that licensed material under Midwest Inspection's license had been properly disposed of. No proprietary information was discussed during this inspection.

Attachments:

1. A - Ltr. dtd 4/17/92 from Terry Wilkins to Donald Paschen
2. B - Form 314 dtd 9/11/92 from Midwest Inspection Services
3. C - Decay curves for sources possessed by Paschen during inspection
4. D - Telephone conversation record dtd 10/20/92 between Holt, Gibbons and Wilkins

# MID AMERICAN

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## INSPECTION SERVICES • NDE DIVISION

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650 ALPINE ROAD

• GAYLORD, MICHIGAN 49735 •

517-732-8059

April 17, 1992

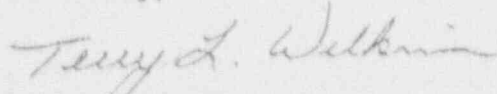
MidWest Inspection Services, Ltd.  
Attention: Mr. Don Paschen  
3171 Gross Street  
Green Bay, Wisconsin 54304

Re: Listing of Exposure Devices, Source Model and Serial Numbers

Dear Mr. Paschen:

Enclosed please find a listing of Exposure Devices, Source Model and Serial Numbers that Mid American Inspection Services have taken receipt of from Mid-West Inspection Services, Ltd., Green Bay, Wisconsin, as of this 17th day of April 1992.

Sincerely,



Terry L. Wilkins, RSO  
Mid American Inspection Services, Inc.

TLW/sd

Enclosure

## MID AMERICAN

## INSPECTION SERVICES • NDE DIVISION

650 ALPINE ROAD

• GAYLORD, MICHIGAN 49735 •

517-732-8059

04/17/92

<u>MANUFACTURE</u>	<u>MODEL</u>	<u>SERIAL NO.</u>	<u>SOURCE MODEL</u>	<u>SERIAL NO.</u>
Gamma Industries	Century S	2278	A-2-A	EN-24
Gamma Industries	Century S	2256	A-2-A	ET-91
Gamma Industries	Century S	2182	A-2-A	CC-85
Gamma Industries	Century S	2170	A-2-A	EU-47
Gamma Industries	Century S	2082	A-2-A	EE-79
Gamma Industries	Century S	2043 /	A-2-A	EI-18

Changer:

Gamma Industries	Century S	2	A-2-A	EG-91
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## ATTACHMENT B

## CONVERSATION RECORD

TIME DATE  
08:20am09/21/92☐ VISIT ☐ CONFERENCE ☒ TELEPHONE☐ INCOMING  
☒ OUTGOINGNAME OF PERSON(S) CONTACTED OR IN CONTACT  
Donald Paschen, President

ORGANIZATION (OFFICE, DEPT. ETC.) TELEPHONE NO. 414-3363554

SUBJECT  
Disposition of Ir-sources for two gamma century cameras

## SUMMARY

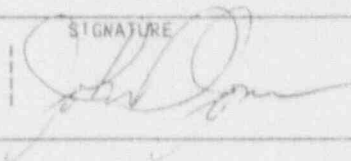
I informed Mr Paschen that we need to know the disposition of the sources as well as the cameras. He stated that he had the information and apologized for not including the information. He stated that he would fax the information to me today

ACTION REQUIRED  
Wait for fax confirmation

NAME OF PERSON DOCUMENTING CONVERSATION

John D. Jones

SIGNATURE



DATE

9/21/92

ACTION TAKEN

SIGNATURE

TITLE

DATE





**MIDWEST INSPECTION SERVICE, LTD.**

*"Nondestructive Inspection"*

*"The Proof For Your Quality"*

September 11, 1992

Mr. Mike McCann  
U.S. Nuclear Regulatory Commission, Region III  
Materials Licensing Section  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Mr. McCann:

Please find enclosed Form 314 completed with appropriate attachments  
for termination of License Number 48-16296-01.

If I can furnish any further information, please advise.

Sincerely,

Donald Paschen  
President

DP/pva  
Enc.

Pm 9/15/92

**RECEIVED**  
SEP 17 1992

SEP 17 1992

**REGION III**  
414/336-3554

# CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: SEND THE COMPLETED CERTIFICATE TO THE  
NRC OFFICE SPECIFIED ON THE REVERSE.

(All items MUST be completed—  
print or type)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH  
THIS INFORMATION COLLECTION REQUEST: 5 HRS.  
FORWARD COMMENTS REGARDING BURDEN ESTIMATE  
TO THE RECORDS AND REPORTS MANAGEMENT  
BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION,  
WASHINGTON, DC 20555, AND TO THE PAPERWORK  
REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT  
AND BUDGET, WASHINGTON, DC 20503.

LICENSEE NAME AND ADDRESS

MIDWEST INSPECTION SERVICE, LTD.  
DONALD PASCHEN - PRESIDENT  
3171 GROSS STREET  
P.O. BOX 28023  
GREEN BAY, WISCONSIN 54304

LICENSE NUMBER

48-16296-01

LICENSE EXPIRATION DATE

OCTOBER 31, 1992

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:

(Check and/or complete the appropriate items below.)

## A. MATERIALS DATA (Check one and complete as necessary)

- ☐ 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.
- ☒ 2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF  
IN THE FOLLOWING MANNER: *(If additional space is needed, use the reverse side or provide attachments.)*

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions, including the  
disposition of low-level radioactive waste, mixed waste, Greater-than-Class C waste, and sealed sources, if applicable.

For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and  
license number. SEE ATTACHMENTS

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the  
specific disposal procedures (e.g., decay in storage).

## B. OTHER DATA

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT.
- ☐ 2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER  
ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)
- ☐ NO (Attach explanation)
- ☒ YES, THE RESULTS (Check one) NO CONTAMINATION—SURVEY METER #7819; CALBRATION DATE 7-16-92  
ARE ATTACHED, or  
WERE FORWARDED TO NRC ON (Date)

## 3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

DONALD PASCHEN

TELEPHONE NUMBER

414-336-3554

## 4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

DONALD PASCHEN  
957 MANCER LANE  
GREEN BAY, WISCONSIN 54304

## CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

SIGNATURE

*Donald Paschen*

DATE

SEPTEMBER 11, 1992

PRINTED NAME AND TITLE

DONALD PASCHEN

RECEIVED

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC  
REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS.  
18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION  
TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.



**W I L S O N**  
**INSPECTION X-RAY**  
**SERVICES, INC.**

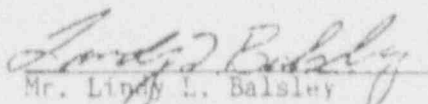
Date: February 19, 1992

To: Mr. Don Paschen  
Midwest Inspection  
P.O. Box 28023  
Greenbay, Wisconsin  
54304

Dear Sir:

This letter is to notify you that we have taken possession of (2) two  
Amesbury S.A. Cameras, serial numbers, 1973 and 2204 purchased from your  
Company. If any further information is needed, please contact me at (512) 289-5750.

Thank You,

  
Mr. Lindsey L. Balsley  
Radiation Safety Officer  
Wilson Inspection

NOTE: Camera # 2204 was empty  
Camera # 1973 contained Isotope SN BB-80

2515 WILLIAMS ST SAN LEANDRO, CA 94577 (510)352-6767

TRANSFERRED FROM:

MIDWEST INSPECTION SERVICES  
3171 GROSS ST  
GREEN BAY, WI 54304

GENTLEMEN:

THIS IS TO ADVISE YOU OF WIPE TEST AND SOURCE DISPOSAL

RECEIVED BY I.N.C. ON 11/15/91

IDENTIFICATION

CONTAMINATION

IRIDIUM 192 SOURCE S/N BB-80

LESS THAN .005 ci

INDUSTRIAL NUCLEAR COMPANY

BY MDL Bas

SENIOR TECHNICIAN

DATE 11-20-91

SERVICE IS OUR PRODUCT

Spec

TEI Analytical Service  
Gaylord, MI.

Source Production & Equipment Co., Inc. 113 Teal St. St. Rose, LA 70087 Phone: (504) 464-9471

MODEL G-3F SERIAL NO. 22A01

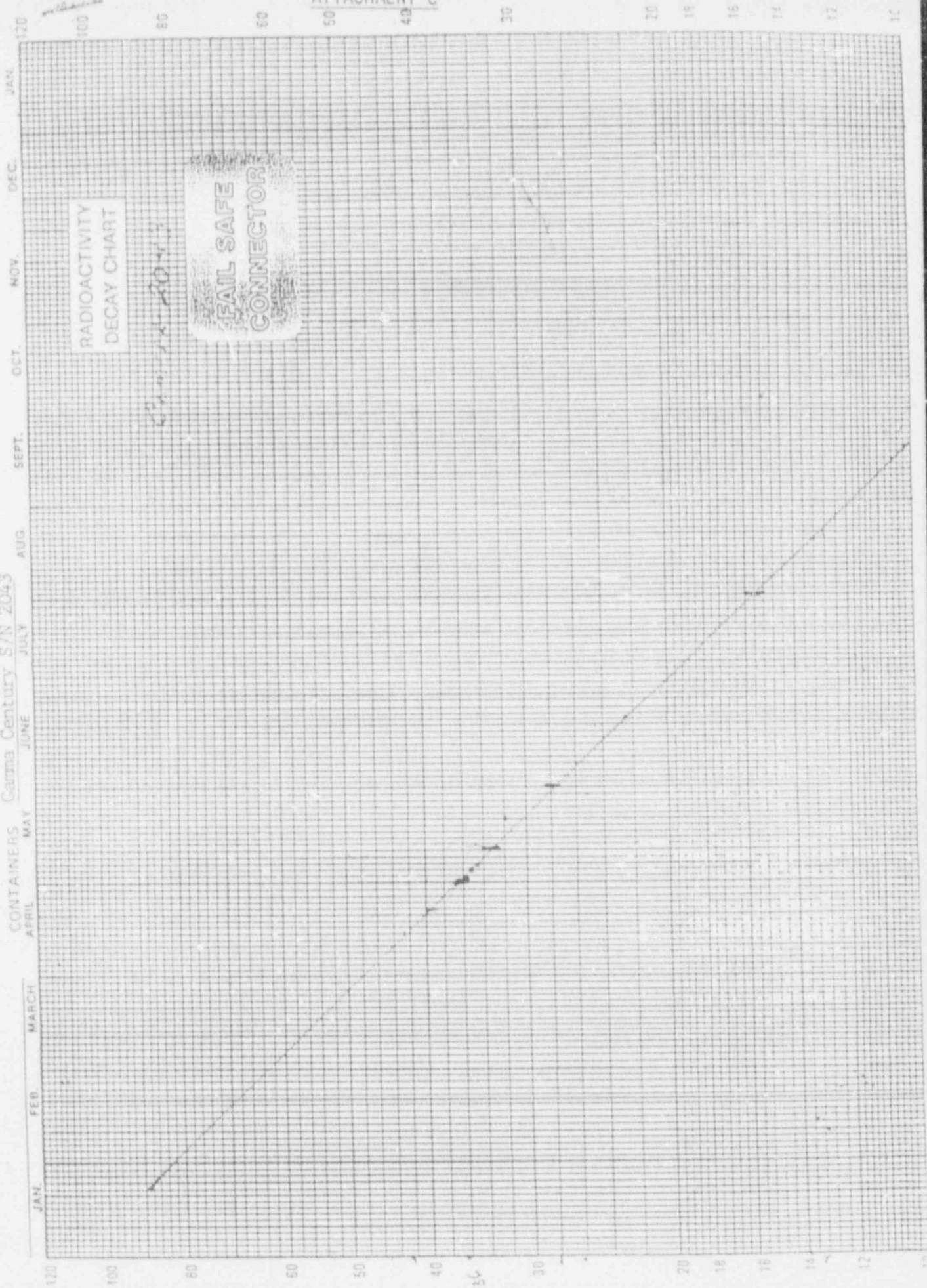
CURIES 89 SIZE .107 X .090

CONTAINERS Gamma Century S/N 2043

Less Than .001

WIPE TEST RESULTS

DATE 1/22/92 BY *L. Howell*





7-11-96  
WIFE-1050

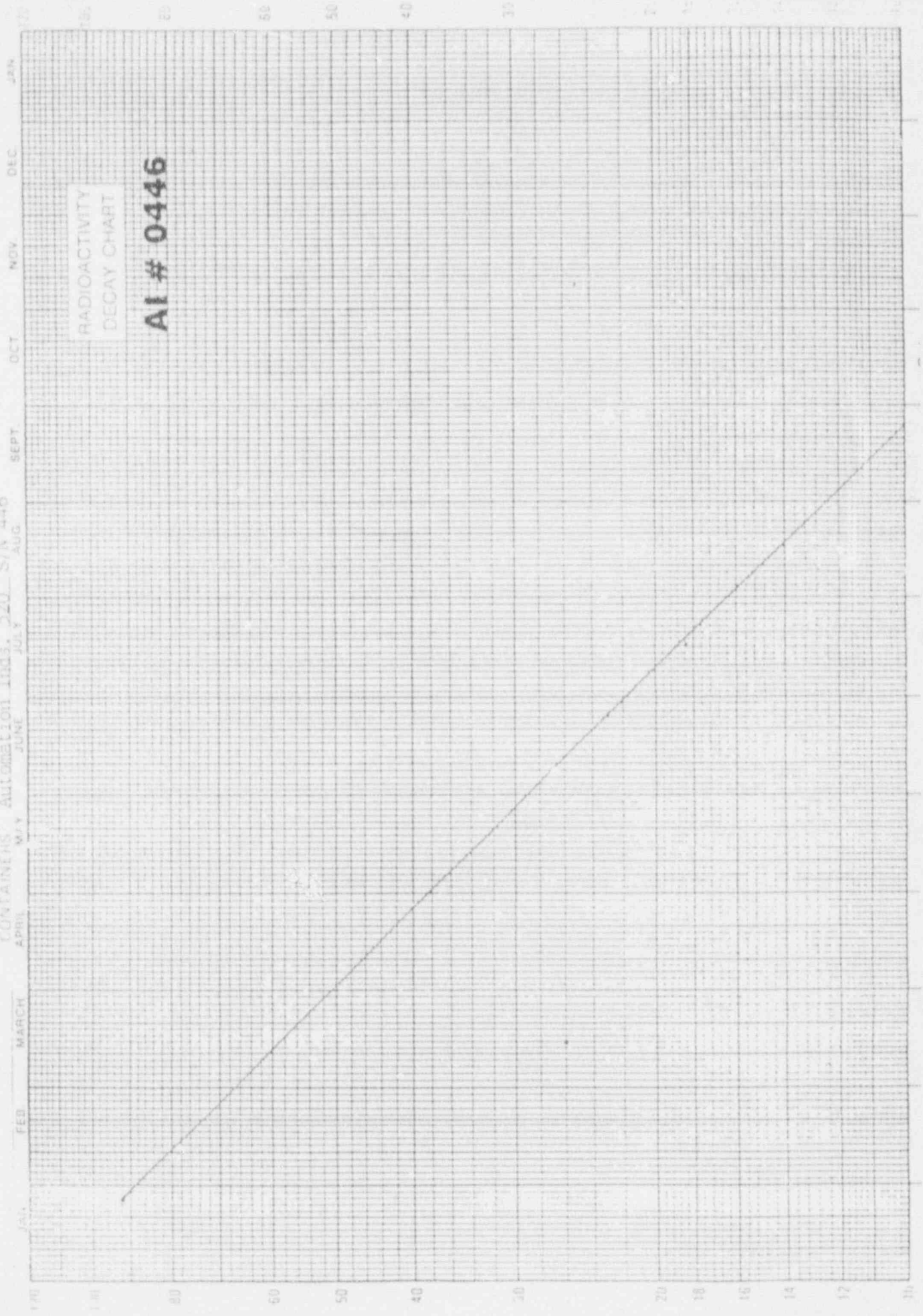
Source Production & Equipment Co., Inc.  
133 Tech St. St. Louis, MO 63103  
Phone (504) 464-9471

WIFE TEST RESULTS  
DATE 1-25-92 BY

MODEL 3-16F SERIAL NO 25A07  
CURVES 52 SIZE 107 X 100

CONTAINERS Automation Inds. 520 S/N 446

TEI Analytical Service  
Washington, PA 15301



## ATTACHMENT D

## CONVERSATION RECORD

TIME

1:00 PM

DATE

OCTOBER 20, 1942

TYPE

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

D. R. GIBBONI

B. L. HUST

DENVER PICKWA

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

TERRY WILKINS - RJ

ORGANIZATION (Office, dept., bureau, etc.)

MID-AMERICAN SERVICES

TELEPHONE NO.

517-

GAYLORD, MI

732-8039

SUBJECT

MIDWEST INSPECTIONS LTD - CLOSE out Inspection

SUMMARY

MR. WILKINS WAS ASKED TO EXPLAIN THE ARRANGEMENTS BETWEEN MID-AMERICAN AND MIDWEST INSPECTIONS.

1. DON PASCHER, ROBERT BUSS, AND <sup>MR.</sup> MCMASTER ARE RADIOGRAPHERS PERFORMING UNDER MID-AMERICAN'S LICENSE AND OPERATING PROCEDURES. MR. PASCHER AND MR. BUSS ARE PERFORMING AT LOCATIONS NEAR GREEN BAY, WI, MR. MCMASTERS FOR EAST OHIO CAS CO, IN AND AROUND CANTON, MASSILLON, AKRON, OHIO AREAS. THESE THREE PERSONNEL ARE PERFORMING RADIOGRAPHY ~~UNDER~~ AT FACILITIES FORMERLY CONTRACTED UNDER MIDWEST INSPECTIONS' LICENSE. THEY ARE, HOWEVER, WORKING UNDER MID-AMERICAN'S PROCEDURES, WITH MID-AMERICAN'S EQUIPMENT (SOME OF IT PURCHASED FROM MIDWEST) AND ARE AUDITED AND INSPECTED BY MID-AMERICAN PERSONNEL.
2. ALL THREE PERSONNEL WERE PROVIDED ~~FOR~~ MID-AMERICAN TRAINING, SUCCESSFULLY PASSED WRITTEN EXAMS AND PRACTICAL EXAMS.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE

## CONVERSATION RECORD

TIME

DATE

TYPE

☐ VISIT☐ CONFERENCE☐ TELEPHONE☐ INCOMING☐ OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

SUBJECT

SUMMARY

3. Two trucks at Green Bay, WI and one truck in Ohio will continue to be used at these temporary job sites until January 1, 1993. By that time Mid American will have completed negotiations to either (1) purchase the Midwest facility retaining the three radiographers, ~~or~~ and amend the license to list (LIC 10) the Green Bay, WI facility as a place for storage. (2) if negotiations fail, the three personnel will be terminated from Mid American's license, but Mid American retaining possession of all exposure devices and equipment.

4. Mr. Wilkins will contact B. J. Holt prior to January 1, 1993 to apprise her of final details.

ACTION REQUIRED Call Mr. Wilkins in December if he has not contacted this office. Look into this matter during the next inspection of Mid American. Include a field site at the Green Bay or Ohio location.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

D. R. Gibbons

S. R. Gibson

OCTOBER 20, 1992

ACTION TAKEN

SIGNATURE

TITLE

DATE