

MEMORANDUM TO: Binesh K. Tharakan
Project Manager, General License Project
Materials Safety and Inspection Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards

FROM: Anne T. Boland, Acting Chief
Materials Licensing/Inspection Branch 1
Division of Nuclear Materials Safety

SUBJECT: CASE RESOLUTION OF A GENERAL LICENSE FILE (RCODE 1671;
REYNOLDS METAL COMPANY, RICHMOND, VIRGINIA)

This memorandum is in response to Temporary Instruction 2800/030, "VERIFICATION OF THE STATUS OF DEVICES AUTHORIZED FOR USE UNDER A GENERAL LICENSE." Two of the gauges identified in Case File, RCODE No. 1671, Reynolds Metal Company, Richmond, Virginia have been found. Efforts have been exhausted to find the other two, and they can not be accounted for. Please refer to the enclosed forms for details on the location of the devices. The search included numerous discussions with current and former employees as well as the manufacturers.

If you have any questions regarding this matter, please contact Orysia Masnyk Bailey at (404) 562-4739.

Enclosures:

1. Form TI-1
2. Form TI-2
3. Form TI-3
4. Licensee Letter dated May 29, 1999

OFFICE	RII:DNMS	RII:DNMS			
SIGNATURE					
NAME	OMasnykBailey	ABoland			
DATE	May 18, 2001	May 18, 2001	May 18, 2001	May 18, 2001	May 18, 2001
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: C:\ReynoldsMetalCo1671GL rpt.wpd

APPENDIX A

FORM TI-1 CASE RESOLUTION		
Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>1671</u> Region: <u>2</u>		
OLD - Complete Name, Address, Contact, Phone Number: Reynolds Metal Company Richmond, Virginia 23237		
NEW - Complete Name, Address, Contact, Phone Number: Reynolds Metal Company 6603 W. Broad Street Richmond, VA 23230 Homer Cole, Corporate Director Occupational Health & Safety (804) 281-3506		
Agreement State Licensee? (Double Check)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Moved to an Agreement State?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

APPENDIX A

Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other)

Inspector spoke to Ron Benton of Reynolds Metals Co, Richmond, VA (804) 281-3795. He knew where the gauges were previously located, but was not aware of what happened to them. He could not find any information regarding their disposition

Talked to Joe Diggs of Kaiser (804) 743-6437. He advised that Reynolds Metal Company sold part of plant to Kaiser Belwold (part of Kaiser Aluminum) in 1997.

Spoke to Don Chitty (804) 743-6499, of Kaiser Belwold. He had been notified by Reynolds to look for the devices, but could not find them or any information concerning them. He advised that he questioned Department heads, etc with no results.

Contacted Wabash Alloys, Tony Diioro (804) 743-6506 and Owens-Corning, Buddy Parker (804) 714-2150; no additional information was provided. They had checked their inventories, they were not in possession of the gauges.

Spoke to Linda Maillet, (804) 743-6016, with Reynolds Health & Safety. Benton had advised that gauges were used at 4 plants, in Grottos, Va; Muscle Shoals AL; Louisville, KY; and Richmond , VA. Maillet verified that the gauges in question were not at any of these locations.

Linda Maillet now at (412) 553-4044. Spoke to Micky Amos, Safety Manager for Reynolds at (804) 743-6648, he referred me to Jon Peace. Spoke to Jon Peace (412) 553-2293, (cell # (412) 818-8854) with Alcoa. He said he would contact each of Alcoa's facilities that might have the gauges and see if he could locate them.

Spoke with Jonathan Forthcamp with ABB Automation Incorporated (the gauge vendor)at (614) 261-2360. He had records for all the generally licensed gauges sold to Reynold Metal Company. His records included the company's name changes and changes of ownership. He advised that all the krypton 85 gauges had been returned to the vendor.

Spoke with Mike Rondinelli, with Panametrics at 800 225-8330. He advised that the nuclear gauge line was discontinued 10 years ago. He had computer records beginning in 1989, no record of this gauge was in this data base. He searched the paper files he could find.

Linda Maillet verified that one gauge containing an Am-241 source was still in use at their Hot Springs location. The location of the other two Am-241 sources can not be determined.

APPENDIX B

Describe Communication with Registration Vendor:

Contacted ABB Automation Incorporated. All krypton 85 gauges have returned to manufacturer. Contacted Panametrics, Inc. Contacted Panametrics, they are no longer in the nuclear gauge business. Their records are on computer from 1989 forward. They could not advise us as to the location of these sources.

Vendor Follow-up Action:

None.

Final Action Taken:

The case can be closed. Two gauges have been found. Efforts have been exhausted to find the other two.

Cause of Bad Address/Lesson Learned:

Facility on Reymet Road was split into three parts, these parts were sold. Owen Corning owns facility at 1701 Reymet Road, Wabash owns the facility at 1711 Reymet Road, Reynolds retained the 2001 Reymet Road location.

APPENDIX B

FORM TI-2 DEVICE INFORMATION

RCODE: 1671							
ID	Model Number ¹ (separate line for each gauge)	Serial #	Isotope	Activity	Sold Date	Vendor	Status (to be filled in by the inspector) A= accounted for ² U= unaccounted for ³
1	PANALY ZER 4000		Cm-244	10.000 000000	3/79	20-07181-04G	A
2	0-2		K-85	30 mCi	4/65	34-00255-06G	A
3	PANALY ZER 4000		AM-241	10.000 000000	3/79	20-07181-04G	U
4	4000		AM-241	10.000 000000	1/79	20-07181-04G	U

¹Include only registerable gauges identified by Headquarters as open cases.

²A device is accounted for if (1) the device is located at the licensee's facility, (2) it has been verified that the device has been transferred to an authorized recipient or properly disposed, or (3) a reasonable assurance has been provided that the device has been transferred to an authorize recipient or properly disposed.

³A device is unaccounted for if the location of the device is unknown and/or the licensee cannot provide a reasonable assurance that the device has been transferred to an authorized recipient for properly disposed.

APPENDIX C

FORM TI-3 GENERAL LICENSEE INSPECTION DOCUMENTATION	
RCODE: <u>1671</u>	
General Licensee Information:	
	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
	Reynolds Metal Company 6603 W. Broad Street Richmond, VA 23230
Results of inspection: (check the appropriate boxes)	
	The general licensee of record is located at the address of record and
	<input type="checkbox"/> all GLD are accounted for
	<input checked="" type="checkbox"/> <u>not</u> all GLD are accounted for
	The general licensee of record is <u>not</u> located at the address of record, however GLD are being used under new ownership at the address of record and
	<input type="checkbox"/> all GLD are accounted for
	<input type="checkbox"/> <u>not</u> all GLD are accounted for
	The general licensee of record is <u>not</u> located at the address of record, however they are using GLD at another location and
	<input type="checkbox"/> all GLD are accounted for
	<input type="checkbox"/> <u>not</u> all GLD are accounted for;
	Neither the general licensee of record nor the facility operated by the general licensee are located at the address of record and the site has been abandoned or is being used for an alternate purpose.
	Other: (explain)
Gauge Information:	
ID	For each gauge for which status is unaccounted for (see last column of Form TI-2), provide any conclusions about location of the gauge:
1- 4	The inspector contacted current employees of all locations where gauges could be located, and the vendor, and was not able to determine the whereabouts of two of the Am-241 device. One of the Am-241 devices is still in use at the licensee's Hot Springs, AK location. The vendor verified that the Kr-85 device was returned to them.