

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>1971, 5789, 23711</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: American Cyanamid Bound Brook, NJ 08805		
NEW - Complete Name, Address, Contact, Phone Number: Contact:		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Bill Duffy, chemical engineer/manager with American Cyanamid (732-560-2000, but telephone will no longer be connected after the last building comes down and site is cleared). Kathy Moynahan, Hudson Valley Environmental (732-295-4518). Mr. Duffy stated that American Cyanamid's cesium gauges had been used in buildings that were razed in 1983 and 1988. Mr. Duffy was certain these gauges were returned to vendors prior to the demolitions. Some exit signs were transferred in place to companies were spun off by American Cyanamid. The remaining 168 were disposed through SRB Technologies via Hudson Valley Environmental.		
Describe Communication with Registration Vendor: Candy Brock, Ohmart/Vega Corporation (513-272-0131, ext. 159; CBROCK@ohmartvega.com). Jonathan Fortkamp, RSO, ABB Automation, Inc. (614-261-2337, jonathan.fortkamp@us.abb.com) A representative of Ohmart/VEGA confirmed the distribution of a gauge to American Cyanamid in 1965, and confirmed a distribution in 1977, but not of a 3 curie source. Ohmart/VEGA could not find a distribution in 1980. Ohmart/VEGA also reported numerous disposals for American Cynamid. Ohmart/VEGA disposed of six 100 millicurie sources in 1979, four 50 millicuries in 1982 from a 1977 order and seven 300 millicurie sources in 1983. A representative of ABB Automation confirmed the 1967 distribution and said a note in their file said the customer disposed of the device through another vendor in 1977.		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: __1971, 5789, 23711__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	LIG		¹³⁷ Cs	500	19653	34-00639-03G Ohmart/VEGA	A	1971 & 23711
2	SH-302		¹³⁷ Cs	200	19671	34-00255-03G ABB Automation	A	1971
3	ED-6		¹³⁷ Cs	3000	19772	34-00639-03G Ohmart/VEGA	A	1971
4	DENSART-3000		¹³⁷ Cs	50	19803	34-00639-03G Ohmart/VEGA	A	1971
5-217	B100U10S		³ H	9750	19914	034-0534-2 SRB Technologies	A	5789
218	616-05-3-055		³ H	9300	19731	37-00030-10G Safety Light	A	23711
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODE: __1971, 5789, 23711__	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input type="checkbox"/>	The general licensee of record is located 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
<input type="checkbox"/>	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
<input type="checkbox"/>	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;
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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:

Although the vendors records do not align precisely with the database, on numerous occasions we have found that the data in the database is inaccurate. Based on the information provided by the licensee and by vendors, it is extremely likely that all gauges that were at one time possessed by the licensee were appropriately disposed through a vendor. The inspection did not trace the forty-six tritium exit signs not disposed by American Cyanamid (which are also not covered by the Temporary Instruction), but based on the information provided, they are believed to be in use at the original installation sites.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>5430, 5442</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: Diversitech General Chamber Avenue Jeannette, PA 15644		
NEW - Complete Name, Address, Contact, Phone Number: OMNOVA Solutions, Inc. Decorative and Building Products Division Chambers Avenue Jeannette, PA 15644 Contact: Bob Davidson 724-523-73341		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Dave Byers, Safety Manager, Omnova Solutions, Inc. (724-523-7383). David Pippert, Plant Engineer, Omnova Solutions, Inc. (724-523-7330). Bob Davidson, Omnova Solutions, Inc. (724-523-73341) Diversitech General was previously named General Tire & Rubber and The General Tire Corporation, and was subsequently named GenCorp, Inc. GenCorp recently spun off its polymer products and building products businesses under the name OMNOVA Solutions, Inc. The three devices in the database were returned to the vendor years ago (early 1990s). They currently have four devices. They faxed an inventory with most of the needed information.		
Describe Communication with Registration Vendor: None		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>5430, 5442</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1			⁹⁰ Sr	45	19844	20-01382-16G LFE Corp.	A	5430
2			⁹⁰ Sr	40	19851	20-01382-16G LFE Corp.	A	5430
3			⁸⁵ Kr	1200	19851	20-01382-16G LFE Corp.	A	5430
4			⁸⁵ Kr	1200	19851	20-01382-16G LFE Corp.	A	5442
5			⁹⁰ Sr	40	19851	20-01382-16G LFE Corp.	A	5442
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments
1	O-2	K1343-G	⁸⁵ Kr	250	19903	ABB Automation	Purchase	Should already be in database
2	BAL	8570	⁸⁵ Kr	1200	19921	Ohmart/VEGA	Purchase	Should already be in database
3	BAL	0849BX	⁸⁵ Kr	300	19924	Ohmart/VEGA	Purchase	Should already be in database
4	BAL	1565BX	⁸⁵ Kr	300	19933	Ohmart/VEGA	Purchase	Should already be in database

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODE: <u>5430, 5442</u>	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input type="checkbox"/>	The general licensee of record is located 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
<input type="checkbox"/>	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
<input type="checkbox"/>	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;
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	Other: (explain) A successor to the general licensee of record is located at the address of record and is using other gauges there, having disposed of the gauges covered in these cases properly.
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:

The gauges were returned to the vendor in the early 1990's. The licensee currently has four other gauges, identified above, which should already be in the database.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: __657951__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Ferguson Enterprises 16 Windcrest Road North Clarendon, VT		
NEW - Complete Name, Address, Contact, Phone Number: General Electric Aircraft Engines 270 Windcrest Road North Clarendon, VT Contact: Paul Guillonette, Environmental Health & Safety Leader 802-773-9121, ext. 1717		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Ferguson Enterprises acts, under contract, as purchasing agent for the GE Rutland plant (North Clarendon is a suburb of Rutland). The street address of the plant changed recently as the result of implementation of enhanced 911. The device is still in use at the Rutland plant.		
Describe Communication with Registration Vendor: None		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned: Enhanced 911 implementation. Device assigned to contractor of the general licensee.		

Form TI-2: Device Information

RCODE: __657951__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	SAPS	89838	¹⁰⁹ Cd	5	19991	29-30342-02G Metorex, Inc.	A	In use at site.
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODE: ___ 657951 _____	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input type="checkbox"/>	The general licensee of record is located 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
X	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
X	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for
<input type="checkbox"/>	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;
<input type="checkbox"/>	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.
<input type="checkbox"/>	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:
<input type="checkbox"/>	
<input type="checkbox"/>	

The gauges were improperly assigned to the purchasing agent, Ferguson Enterprises. The device is, and have always been, used by the General Electric Aircraft Engines Rutland plant.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>5516, 5587, 63664, 640925</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: GTE Products Corporation Hawes Street Towanda, PA 18848		
NEW - Complete Name, Address, Contact, Phone Number: OSRAM Sylvania Hawes Street Towanda, PA 18848 Contact: Carmen Venezia, Human Resources/Safety Department 570-268-5128		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Carmen Venezia, OSRAM Sylvania, Human Resources/Safety Department (570-268-5128). The site has been under both general license and specific license for many years. Consequently, the program under the general license has been inspected on several occasions, and the results are on file. All generally licensed gauges are either in use or properly disposed. Mr. Venezia faxed me a current inventory.		
Describe Communication with Registration Vendor: None		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>5516, 5587, 63664, 640925</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
All gauges that have been used by the licensee under general license are either in the inventory below or have been properly disposed.								

Status Codes:

A - Source accounted for

N - Source not accounted for

Current Inventory					
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Vendor
1	SR-1A	M8077	¹³⁷ Cs	600	34-00639-03G Ohmart/VEGA
2	SR-1A	72771	¹³⁷ Cs	50	34-00639-03G Ohmart/VEGA
3	SR-1A	60355	¹³⁷ Cs	750	34-00639-03G Ohmart/VEGA
4	SR-1A	76010	¹³⁷ Cs	80	34-00639-03G Ohmart/VEGA
5	SH-302	CS11279	¹³⁷ Cs	200	34-00255-06G ABB Automation, Inc.
6	SH-F1	M6779	¹³⁷ Cs	80	34-00639-03G Ohmart/VEGA
7	SH-F1	76082	¹³⁷ Cs	80	34-00639-03G Ohmart/VEGA
8	SH-F1	M6776	¹³⁷ Cs	80	34-00639-03G Ohmart/VEGA
9	SH-F1	M6777	¹³⁷ Cs	80	34-00639-03G Ohmart/VEGA
10	SH-F1	62356	¹³⁷ Cs	80	34-00639-03G Ohmart/VEGA
11	5310	4002LV	²⁴¹ Am		Loral Controls
12	5310	4005LV	²⁴¹ Am		Loral Controls

Form TI-3: General Licensee Inspection Documentation

RCODE: <u>5516, 5587, 63664, 640925</u>	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input checked="" type="checkbox"/>	The general licensee of record is located at the address of record and
<input checked="" type="checkbox"/>	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for
<input type="checkbox"/>	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
<input type="checkbox"/>	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;
<input type="checkbox"/>	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.
<input type="checkbox"/>	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:

This is another case of great inaccuracies in the general license database. A number of gauges in the database were returned to the vendor and reported to the NRC years ago. This report includes the current inventory of generally licensed gauges. the OSRAM Sylvania facility also possesses four specifically licensed gauges, which are not included.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>2315, 23689</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: New Haven Sewage Disposal Plant East Street New Haven, CT 06511		
NEW - Complete Name, Address, Contact, Phone Number: Contact:		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Gary Zrelak, Omi, Inc., West Haven CT Wastewater Treatment Plant (203-937-3637) Office of Ray Smedburg, General Manager, New Haven Water Pollution Control Authority (203-466-5280). The East Street Sewage Disposal Plant is now a pumping station, pumping the water to other treatment facilities. It was converted in 1983. The water pollution authority is certain that the gauges have been removed (they were distributed in 1965, so it is not surprising).		
Describe Communication with Registration Vendor: Candy Brock, Ohmart/Vega Corporation (513-272-0131, ext. 159; CBROCK@ohmartvega.com). The vendor reported that two sludge density gauges were distributed to the City of New Haven in 1965. Both were returned in May 1985. The number 14236, recorded as the serial number, was actually the Ohmart order number.		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>2315, 23689</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	SDG		¹³⁷ Cs	1000	19652	34-00639-03G Ohmart/VEGA	A	2315
2	SDG		¹³⁷ Cs	250	19652	34-00639-03G Ohmart/VEGA	A	2315
3	SDG	14236	¹³⁷ Cs	1000	19652	34-00639-03G Ohmart/VEGA	A	23689
4	SDG	14236	¹³⁷ Cs	0.25	19652	34-00639-03G Ohmart/VEGA	A	23689
5	SDG		¹³⁷ Cs	0.25	19652	34-00639-03G Ohmart/VEGA	A	23689
6	SDG		¹³⁷ Cs	1000	19652	34-00639-03G Ohmart/VEGA	A	23689
7			⁶³ Ni	15	19831	06-02135-12G Perkin-Elmer Corp.	N	2315
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODE: <u>2315, 23689</u>	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input checked="" type="checkbox"/>	The general licensee of record is located at the address of record and
<input checked="" type="checkbox"/>	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for
<input type="checkbox"/>	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
<input type="checkbox"/>	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;
<input type="checkbox"/>	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.
<input type="checkbox"/>	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:

The gauges were returned to the vendor. No inquiry was made concerning the electron capture detector from Perkin-Elmer.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>656862, 656874, 657943</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: Penn Machine 100 Bethel Road Aston, PA 19041		
NEW - Complete Name, Address, Contact, Phone Number: Penn Machine 100 Bethel Road Aston, PA 19041-3485 Contact: 610-497-3300 Penn Machine 315 North Wayside Drive Houston, TX 77020-7514 Contact: 713-679-7900 PMW Illinois 1300 South Broad Street Carlinville, IL 62626 Contact: U.S. Drop Forge Route 551 (2 Miles South of City) Swedesboro, NJ 08085 Contact: 856-467-0500		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Jim Knomes, Penn Machine (610-859-3580 or 610-497-3300, ext. 580) A search for "Penn Machine" located the company's web site (at www.pennusa.com), which confirmed the address in our database. A representative of the company stated that the company has four Metorex x-ray fluorescence analyzers, one at each of its facilities (identified on the company's web site).		
Describe Communication with Registration Vendor: None		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>656862, 656874, 657943</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	SAPS	344767	¹⁰⁹ Cd	10	19991	29-30342-02G Metorex, Inc.	A	In use.
2	SAPS	PP088	¹⁰⁹ Cd	10	19992	29-30342-02G Metorex, Inc.	A	In use.
3	SAPS	JPP088	¹⁰⁹ Cd	10	19992	29-30342-02G Metorex, Inc.	A	In use.
4	SAPS	344821	¹⁰⁹ Cd	10	19991	29-30342-02G Metorex, Inc.	A	In use.
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODE: <u>656862, 656874, 657943</u>	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input checked="" type="checkbox"/>	The general licensee of record is located at the address of record and
<input checked="" type="checkbox"/>	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for
<input type="checkbox"/>	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
<input type="checkbox"/>	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;
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	Other: (explain) The general licensee uses devices at the location of record and three other locations (one device per site).
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:

The gauges are in use at the addresses noted. The serial numbers identified are as reported to Region 1 and were not verified.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u>2530, 6628, & 13700</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: Perlite Corporation Chester, PA 19013		
NEW - Complete Name, Address, Contact, Phone Number:		
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
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Art Anderson, President, Incon Corporation (610-358-5919). A quick search found a web site entitled "Incon Insights - What Ever Happened to Perlite Corporation?," which explained the dissolution of the company in 1989. A representative of Incon who used to be employed by Perlite stated that Perlite, like Incon, made equipment for the perlite industry. He recalled two occasions on which Perlite received gauges, but both were for installation on equipment being shipped to a customer. In one of the two cases he recalled, the system was shipped to England and the other went to Belgium. He was certain that Perlite used no gauges in its facility.		
Describe Communication with Registration Vendor: Jackie Garmany, Ronan Engineering Company, Ltd., Measurements Division (859-342-8500). The source with serial number M1911 was sent to Perlite Corporation in Pennsylvania then exported to Austria (and reported appropriately). The source with serial number 74292 was distributed in the second quarter of 1984 and returned to the vendor in December 1984. The third device (serial number 75272) was exported to England. For the two exports, Ronan assisted Perlite in filling out the appropriate IAEA forms, etc. and reported the exports to the NRC. The return was included in the appropriate quarterly report from Ronan.		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>2530, 6628, & 13700</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	X91	74292	¹³⁷ Cs	100	19842	IND-267-95G Ronan Engineering	A	2530
2	X91	75272	¹³⁷ Cs	50	19851	IND-267-95G Ronan Engineering	A	6628
3	X91	M1911	¹³⁷ Cs	50	19881	IND-267-95G Ronan Engineering	A	13700
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODE: ___2530, 6628, & 13700_____	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input type="checkbox"/>	The general licensee of record is located 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
<input type="checkbox"/>	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
<input type="checkbox"/>	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;
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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:

Two of the gauges were exported to customers of Perlite Corporation to whom the systems that Perlite manufactured were shipped. In these cases, the vendor was aware of the export, ensured regulatory requirements were met, and reported the exports to the NRC. The third gauge was returned to the vendor a few months after initial distribution.

Inspector: Keith Brown, Health Physicist
Nuclear Materials Safety Branch 2

Approved By: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2