

Form TI-1 Case Resolution

Case Status	<input type="checkbox"/> Open	<input checked="" type="checkbox"/> Closed
RCODE: <u> 260 </u>		
Region: <u> 1 </u>		
OLD - Complete Name, Address, Contact, Phone Number: Delco Battery New Brunswick, NJ		
NEW - Complete Name, Address, Contact, Phone Number: None		
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) According to the database, the gauge was distributed in 1958. The vendor reported that it was returned in 1967.		
Describe Communication with Registration Vendor: Nancy Newsome at ABB Industrial Systems (614-261-2339).		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>260</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1			⁹⁰ Sr	25	1581	34-00255-06G	A	
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>260</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;
X	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 gauge was returned to the vendor in 1967. The vendor included the return in its report to the NRC.

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: __1224__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Downingtown STP Downingtown, PA		
NEW - Complete Name, Address, Contact, Phone Number: Downingtown Regional Water Pollution Control Center 550 S. Brandywine Avenue Downingtown, PA 19335		
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) Contacted David Fink, (610) 269-8121, employee of the contractor operating the plant. Herb Mays, Executive Director, Downingtown Area Regional Authority (610-363-3832). The gauge was installed at the Downingtown waste water treatment plant in 1972, possibly on the sludge incinerator, still there but in use. Other equipment is now installed at the location the gauge used to be. Based on the time of installation of other equipment, the gauge was removed prior to or in the very early 1980s.		
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: __1224__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	3500		¹³⁷ Cs	200	19724	IL-01010-02	A	
2			⁶³ Ni	5	19831	IL-01010-02	A	
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>1224</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)	
X	The general licensee of record is located 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 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:
<input type="checkbox"/>	
<input type="checkbox"/>	

The gauge was removed from its installation site, probably in the late 1970s. The contractor currently operating the plant performed a thorough inspection of the facility in 1985, prior to taking over operations, and performed another search in response to our inquiry about the gauge. The contractor says that the gauge is not on the site. Since the plant was continuously operated by the municipal authority during the time the gauge was there, it is likely it was disposed of properly. At present, thirty years after the gauge was taken out of service, there is little chance of finding more information concerning the gauge.

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: __638951__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Enterprise Coatings 78 Highland Drive Putnam, Connecticut 06260		
NEW - Complete Name, Address, Contact, Phone Number: Enterprise Coatings 22 Steel Street P.O. Box 70 North Smithfield, Rhode Island 02876 COnтакт: Fred Whittle 401-766-1500		
Agreement State Licensee? (Double Check)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Moved to an Agreement State?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Fred Whittle, Enterprise Coatings (401-766-1500). The operation moved to Rhode Island. The NDC gauges are still in use at the new location.		
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: __638951__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
No information provided.								
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: __638951__	
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
X	The general licensee of record is <u>not</u> located at the address of record, however they are using GLD at another location and
X	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 are in use at the licensee's facility in Rhode Island.

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>336</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: Gaylord Packaging Company 120 Leuning Street Hackensack, New Jersey		
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)		
Describe Communication with Registration Vendor: Nancy Newsome at ABB Industrial Systems (614-261-2339). The vendor shows that the source distributed to Gaylord Packaging in Hackensack, New Jersey was returned in 1964.		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: ____336____								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1			⁹⁰ Sr	25	19581	34-00255-06G	A	
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>336</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;
X	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 gauge distributed to this licensee was returned to the vendor.

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: __1674__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Henry Schwartz Company c/o U.S. Corporation Company 225 South 15 th Street Philadelphia, Pennsylvania 19102		
NEW - Complete Name, Address, Contact, Phone Number: None		
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) New Jersey Department of the Treasury, Division of Revenue reports the "Home Jurisdiction" of Henry Schwartz Company is Massachusetts. The company registered with the New Jersey Department of the Treasury, Division of Revenue in July 1972 and filed its last required annual report in 1974. The registration was revoked in 1977 for failure to pay taxes (presumably a formal move for a company not heard from in three years).		
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:___1674_____								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	BGL-1C		⁹⁰ Sr	30	19652	20-01382-16G	N	
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: __1674__	
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;
X	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"/>	

We have not been able to locate information for this licensee that would let us identify a responsible corporation. The only address we have for this general licensee is the address of its registered agent (U.S. Corporation Company, 225 South 15th Street, Philadelphia, Pennsylvania 19102) from over thirty years ago. Without more information, there is little hope of tracking the gauges and further effort is not justified.

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: __43053__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: HFS Plastics 151 Fieldcrest Avenue Edison, NJ 08837		
NEW - Complete Name, Address, Contact, Phone Number: None		
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) The correct company name is KFS Plastic. KFS sold the plant intact to Salwen Paper. An attorney who worked on the disposition of assets after Salwen Paper went out of business said that Salwen purchased two extrusion machines from KFS with the facility and both are long since gone. There is no record of who purchased the machines.		
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: __43053__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	MM1FLSR60STGP	8083	⁹⁰ Sr	100	19881	3G-044-02	N	
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: __43053__	
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;
X	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"/>	

Based on the type of gauges in this record, it is very likely they were on the extrusion machines that KFS Plastics sold to Salwen Paper. We have no way to trace the extrusion machines. There is little hope of tracking the gauges and further effort is not justified.

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: __3286__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Inmont Corporation 1225 Broad Street Clifton, NJ 07013		
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) Tom Hallowell, Manager of Safety and Ecology, BASF, Mount Holly, New Jersey. BASF bought Inmont from United Technologies in 1985. The Clifton, New Jersey facility was offices, research, a pilot plant for paint and ink production, and a huge Heidelberg press used to test performance of Inmont products (customers had problems with their ink and Inmont would try it at home to determine what was wrong). The site was decommissioned by BASF: machinery was not sold to others with the exception of the press, which was sold. BASF could not determine the buyer. Nothing was left at the 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: ___3286___								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1			⁹⁰ Sr	100	19803	20-01382-16G	A	
2			⁹⁰ Sr	100	19803	20-01382-16G	A	
3			⁹⁰ Sr	10	19803	20-01382-16G	A	
4			⁹⁰ Sr	10	19803	20-01382-16G	A	
5			⁹⁰ Sr	119	19803	20-01382-16G	A	
6			⁹⁰ Sr	8	19803	20-01382-16G	A	
7			⁹⁰ Sr	113	19803	20-01382-16G	A	
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>3286</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 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:
<input type="checkbox"/>	
<input type="checkbox"/>	

The site underwent an orderly decommissioning with proper oversight. The sources were probably disposed of properly.

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: __3471__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Jones & Laughlin Steel Pittsburgh, Pennsylvania		
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
<p>Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Mike Kovach, LTV Steel (216-622-4835; mikovach@ltvsteel.com). LTV Steel reported that they had done an inspection prior to acquiring the site and no gauges were present at that time. (LTV Corporation purchased Jones Laughlin Steel around 1980 and later merged it with other acquisitions to form LTV Steel.)</p> <p>The two gauges were distributed to Jones & Laughlin Steel in 1964 and 1971, so, based on the typical duration of use of individual gauges that we found (seven or eight years), it is likely the second gauge replaced the first. The plant was renovated in the late 1970s or early 1980s. It is likely the second gauge was removed during that renovation.</p>		
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: ____3471____								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1			⁹⁰ Sr	700	19644	34-00255-06G	A	
2			¹³⁷ Cs	50	19713	34-00639-03G	A	
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: __3471__	
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;
X	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 are reported to have been removed prior to 1980, so have been gone for over twenty years. If they were improperly disposed, there is little chance of determining their fate. Since the timing of events suggests that they were removed during plant renovations, it is likely they were disposed of properly.

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>180, 1510, 1865, 41336, and 47180</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: L. E. Carpenter & Co. Hazelton, Pennsylvania and L. E. Carpenter & Co. Wharton, New Jersey		
NEW - Complete Name, Address, Contact, Phone Number: RJF International Corporation Oak Grove Marietta, OH 45750 Contact: Ray Sawyer, Plant Engineer, 740-374-6400 and RJF International Corporation 4700 Shepardsville Road Louisville, Kentucky 40218 Contact: Mike Ulanowski, Plant Engineer		
Agreement State Licensee? (Double Check)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Moved to an Agreement State?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<p>Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Dennis Darragh, Vice President, Forbo Industries (570-459-0771). Jim Chew, Forbo Industries (570-459-0771, ext. 506). Wally Yocum, RJF International Corporation, Marietta, Ohio (formerly of L.E. Carpenter in Wharton, New Jersey and Forbo Industries in Hazelton, Pennsylvania) (740-374-6400). Ray Sawyer, Plant Engineer, RJF International Corporation, Marietta, Ohio (740-374-6400).</p> <p>Forbo Industries acquired a company that had acquired L. E. Carpenter. Forbo shut down operations in Wharton and moved them to Hazelton. They have since divested of manufacturing (to RJF in Ohio) and now do warehousing and sales. In Wharton, there were three machines (produced thin plastic wall covering). When the Wharton site closed, two lines/gauges were taken out of service and the third was sent to Hazelton. Sometime in the next seven years, that line/gauge was taken out of service and either two or three more were put in service. When Forbo divested of manufacturing facilities, one line was sold to RJF International Corporation, Oak Grove, Marietta, OH 45750 (Contact: Ray Sawyer, Plant Engineer, 740-374-6400) and one to RJF International Corporation, 4700 Shepardsville Road, Louisville, Kentucky 40218 (Contact Mike Ulanowski, Plant Engineer; Vendor's Contact: Bob Mogenstern). If there was a third, it was taken out of service in Hazelton.</p>		
<p>Describe Communication with Registration Vendor: Chris Fitz of NDC Infrared Engineering (626-939-3859) (Case 47180).</p> <p>NDC Infrared Engineering, Inc. reported that it had sold two gauges (serial nos. 2965 and 5044) to the L. E. Carpenter. A note in its file dated October 12, 1999 stated that there were no more manufacturing facilities on the Hazelton, PA site. Its records show that the two gauges were transferred on May 31, 1995 to RJF International, one to the Marietta, Ohio site and the other to the Louisville, Kentucky site. The former gauge was transferred to the Louisville, Kentucky site on February 28, 2000. Both have been leak tested regularly. Both transfers were included in the vendor's reports to the NRC.</p>		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: __180, 1510, 1865, 41336, and 47180__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	180
2	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	180
3	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	180
4	U-1		⁹⁰ Sr	30		34-00255-06G	A	180
5	U-1		⁹⁰ Sr	30		34-00255-06G	A	180
6	U-1		⁹⁰ Sr	30		34-00255-06G	A	180
7	SCL-1B		⁹⁰ Sr	40	19752	20-1382-16G	A	1510
8	SCL-1B		⁹⁰ Sr	40	19722	20-1382-16G	A	1510
9	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	1510
10	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	1510
11	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	1510
12	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	1510
13	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	1510
14	U-1		⁹⁰ Sr	25	19691	34-00255-06G	A	1510
15	103		²⁴¹ Am	25	19842	1933-70 GL NDC Systems	A	1865
16	103		²⁴¹ Am	25	19843	1933-70 GL NDC Systems	A	1865
17	103		²⁴¹ Am	25	19842	1933-70 GL NDC Systems	A	1865
18	103		²⁴¹ Am	25	19843	1933-70 GL NDC Systems	A	1865
19	103		²⁴¹ Am	150	19892	1933-70 GL NDC Systems	A	41336
20			⁶³ Ni	15	19844	20-01382-16G LFE Corp.	A	41336
21			⁸⁵ Kr	1200	19892	20-01382-16G LFE Corp.	A	41336
22	103TM		²⁴¹ Am	25	19843	1933-70 GL	A	47180
23	103TM		²⁴¹ Am	25	19852	1933-70 GL	A	47180
24	103TM		²⁴¹ Am	25	19842	1933-70 GL	A	47180
25	Betalux-E-10	137410	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336

26	Betalux-E-10	137411	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
27	Betalux-E-10	137412	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
28	Betalux-E-10	137413	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
29	Betalux-E-10	137414	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
30	Betalux-E-10	137415	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
31	Betalux-E-10	137416	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
32	Betalux-E-10	137417	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
33	Betalux-E-10	137418	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
34	Betalux-E-10	137419	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
35	Betalux-E-10	137420	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
36	Betalux-E-10	137421	³ H	9750	19903	034-0534-2 SRB Technologies, Inc.	A	41336
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: ___180, 1510, 1865, 41336, and 47180_____	
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;
X	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 at the Wharton, NJ facility were moved to Hazelton, then taken out of service properly. Those that remained in Hazelton when Forbo divested of manufacturing were transferred to facilities in Ohio and Kentucky, and the vendor reported the transfers to the NRC. Our database appears to have multiple listings for some devices; given Forbo's behavior relative to the gauges, it is likely that the gauges they and the vendor have discussed with us are the only gauges L. E. Carpenter & Company owned. Although the tritium-powered exit signed were not inspected under the temporary instruction, it is likely they were dealt with responsibly.

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: __468__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: Lee Tire & Rubber Conshohocken, PA 19428		
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) Ed Pudala, Goodyear Environmental Chemical Material Safety (330-796-7377). In 1966, Lee Tires became a subsidiary of Goodyear Tire and Rubber, and closed in 1978. Goodyear supplied records of transfers of the gauges from the vendor. While the gauges do not completely align with our record, these inspection of general licensees under TI 2800/030 have shown our records to be very unreliable.		
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>468</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	T		⁹⁰ Sr	20	19604	34-00255-06G	A	
2	T		⁹⁰ Sr	20	19604	34-00255-06G	A	
3	T		⁹⁰ Sr	10	19604	34-00255-06G	A	
4	T		⁹⁰ Sr	10	19604	34-00255-06G	A	
5			⁹⁰ Sr	60		34-00255-06G	A	
6			⁹⁰ Sr	60		34-00255-06G	A	
7			⁹⁰ Sr	60		34-00255-06G	A	
8	U-2		⁹⁰ Sr	70	19691	34-00255-06G	A	
9	U-2		⁹⁰ Sr	70	19691	34-00255-06G	A	
10	U-2		⁹⁰ Sr	70	19691	34-00255-06G	A	
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: __468__	
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;
X	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 facility was closed and the devices were returned to the vendor.

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: __1315__		
Region: __1__		
OLD - Complete Name, Address, Contact, Phone Number: The Lummus Company P.O. Box 18076 Pittsburgh, PA 15236		
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) Lummus Corporation, Columbus, Georgia manufactured cotton mills until 1993. ABB Lummus designs and builds (or at least oversees) a variety of industrial facilities. The gauges are gamma backscatter thickness gauges, which could be used to measure the thickness of fibers or of any number of other products. It is likely that one of these companies ordered the gauges from a customer's site in Pittsburgh and installed them there.		
Describe Communication with Registration Vendor: Chris Fitz of NDC Infrared Engineering (626-939-3859) The vendor could find no distribution records for the zip code in the file (15236) and only one for a Pittsburgh address, that being PPG Industries, Fiberglass Research Center, 201 Zeta Drive, Pittsburgh, Pennsylvania 15238. There is no reason to connect that gauge with this case.		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: __1315__								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	103		²⁴¹ Am	25	19804	1933-70 GL	N	
2	103		²⁴¹ Am	25	19804	1933-70 GL	N	
3	103TM		²⁴¹ Am	25	19804	1933-70 GL	N	
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: __1315__	
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 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 name on the file appears to be incorrect. If it is correct, no information about this Lummus Company could be found. We do not have a full street address. Without no more information than is available, there is little hope of tracking the gauges and further effort is not justified.

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>522</u>		
Region: <u>1</u>		
OLD - Complete Name, Address, Contact, Phone Number: Morris Paper Board Company 117 3 rd Street Paterson, NJ 07510		
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
<p>Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) Rich Maday, Smurfit-Stone mill in Morris, Illinois (815-941-3564). From the mid-1950s to the mid-1970s, Morris Paper Mills Corporation, Chicago, IL held trademarks for "Presapak," containers of flexible paperboard for packing and transporting articles of merchandise. It is likely that Morris Paper Board Company is the part of Morris Paper Mills Corporation that made Presapak or related products.</p> <p>In the late 1970s and continuing through the 1980s, there was a great deal of consolidation in the paper industry. Based on discussion with personnel at a paper plant in Morris, Illinois (near Chicago), it appears that Morris Paper Mill had a plant in Morris and had become Federal Paper Board and Packaging. A company named Federal Paper Board was purchased by International Paper in 1998.</p>		
<p>Describe Communication with Registration Vendor: Nancy Newsome at ABB Industrial Systems (614-261-2339). The vendor reported two sources were distributed to Morris Paper Board's Paterson facility at two different times. Our database shows a single distribution in 1976. Both sources were returned in the 1980s.</p>		
Vendor Follow-up Action:		
Final Action Taken:		
Cause of Bad Address/Lesson Learned:		

Form TI-2: Device Information

RCODE: <u>522</u>								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1	U-3		⁹⁰ Sr	70	19763	34-00255-06G	A	
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>522</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;
X	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 licensee returned the gauge to the vendor in the 1980s.

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

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