

## Form TI-1 Case Resolution

Case Status	Open	Closed X
RCODE: 30150		
Region: 1		
OLD - Complete Name, Address, Contact, Phone Number:  CITY OF PHILADELPHIA WATER DEPT. SOUTH WEST WATER POLLUTION CONTROL PLANT 8200 ENTERPRISE AVENUE PHILADELPHIA, PA 215-685-4003 PLANT MANAGER LEONARD GIPSON		
NEW - Complete Name, Address, Contact, Phone Number:  SAME		
Agreement State Licensee? (Double Check)	Yes	No X
Moved to an Agreement State?	Yes	No X
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other)  INTERNET PENNSYLVANIA INFORMATION: PHILADELPHIA WATER DEPARTMENT MAIN NUMBER, OPERATOR CONNECTED ME TO SOUTH WEST PLANT TELEPHONE LISTED IN DATABASE ONSITE INSPECTION		
Describe Communication with Registration Vendor:  NONE		
Vendor Follow-up Action:  NONE		
Final Action Taken:  UPDATED DATABASE ACCORDING TO FINDING		
Cause of Bad Address/Lesson Learned: DURING AN ONSITE INSPECTION AT SOUTH WEST WATER POLLUTION CONTROL PLANT, PLANT MANAGER LEONARD GIPSON, PROVIDED DOCUMENTATION OF REMOVAL OF ALL RADIOACTIVE MATERIALS, INCLUDING NRC FORM 314 (ATTACHED).		

## Form TI-2: Device Information

RCODE:30150								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
23940	B100 U2OS	516016	H3	19940	19903	034-0534-2 SRB TECH., INC.	A	
23940	B100 U2OS	516017	H3	19940	19903	034-0534-2 SRB TECH., INC.	A	
23940	B100 U2OS	516015	H3	19940	19903	034-0534-2 SRB TECH., INC.	A	
23940	B100 U2OS	516018	H3	19940	19903	034-0534-2 SRB TECH., INC.	A	
23940	CP-8		CS137	750	19682	34-00639-03G OHMART CORP.	A	
23940	CP-6		CS137	300	19681	34-00639-03G OHMART CORP.	A	
2344	DENSART 3460		CS137	1500	19831	34-00639-03G OHMART CORP.	A	
2344	DENSART 3460		CS137	750	19831	34-00639-03G OHMART CORP.	A	
30150	DENSART 3460		CS137	1500	19831	34-00639-03G OHMART CORP.	A	
30150	5210	000000	CO60	2000	19912	L01105 TN TECH., INC	A	
30150	DENSART 3460		CS137	750	19831	34-00639-03G OHMART CORP.	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

RCODE:30150

C:\Program Files\Adobe\Acrobat 4.0\PDF Output\Philadelphia new.wpd

Licensee Name: City of Philadelphia Water Department

## Form TI-3: General Licensee Inspection Documentation

RCODE: 30150	
General Licensee Information:	
X	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
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
	<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
	all GLD are accounted for
	<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
	all GLD are accounted for
	<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:

Inspector: Kathy Dolce Modes, Health Physicist  
Stephanie Tullio  
Nuclear Materials Safety Branch 2

Completion Date: January 28, 2002

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

RCode: 30150

SW WPCF

<b>NRC FORM 314</b> (7-1998) 10 CFR 30.36(c)(1)(iv) 10 CFR 40.42(c)(1)(iv) 10 CFR 70.38(c)(1)(iv)	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB: NO. 3150-0028</b> <b>EXPIRES: 07/31/2001</b>	Estimated burden per response to comply with this mandatory information collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility has been cleared of radioactive material before the facility is released for unrestricted use. Forward comments regarding burden estimate to the Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0028), Office of Management and Budget, Washington, DC 20503. If an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
<b>CERTIFICATE OF DISPOSITION OF MATERIALS</b>			
INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED - PRINT OR TYPE SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE			
LICENSEE NAME AND ADDRESS <div style="text-align: center;">           PHILADELPHIA WATER DEPARTMENT            SOUTHWEST WATER POLLUTION CONTROL PLANT            8200 ENTERPRISE AVENUE            PITILADELPHIA, PENNSYLVANIA 19153         </div>		LICENSE NUMBER <div style="text-align: center; font-size: large;">           37-07983-11         </div>	
		LICENSE EXPIRATION DATE <div style="text-align: center; font-size: large;">           01 / 31 / 2001         </div>	
<b>A. MATERIALS DATA</b> (Check one and complete as necessary)			
THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT: (Check and/or complete the appropriate item(s) below.)			
<input type="checkbox"/> 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.			
OR <input checked="" type="checkbox"/> 2. ALL ACTIVITIES AUTHORIZED BY THE LICENSE HAVE CEASED AND 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.  <div style="text-align: center; font-weight: bold;">SEE ATTACHED</div>			
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.			
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>B. OTHER DATA</b>			
<input checked="" type="checkbox"/> 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.			
<input type="checkbox"/> 2. A RADIATION SURVEY WAS CONDUCTED BY THE LICENSEE TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE.			
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <input type="checkbox"/> NO (Attach explanation)  <input type="checkbox"/> YES, THE RESULTS (Check one)  <input type="checkbox"/> ARE ATTACHED, or  <input type="checkbox"/> WERE FORWARDED TO NRC ON (Date)         </div> <div style="width: 35%;"></div> </div>			
3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM		NAME <div style="text-align: center; font-weight: bold;">LEONARD GIPSON</div>	
		TELEPHONE NUMBER (Include Area Code) <div style="text-align: center;">215 685 4003</div>	
4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO  <div style="text-align: center;">ADDRESS ABOVE</div>			
<b>CERTIFYING OFFICIAL</b>			
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT			
PRINTED NAME AND TITLE <div style="text-align: center;">LEONARD GIPSON PLANT MANAGER</div>		SIGNATURE <div style="text-align: center;"> </div>	
		DATE <div style="text-align: center;">1 / 31 / 2001</div>	
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 JURISDICTIONS.			

# **CVC CleanVenture / CycleChem**

Responsive Environmental Management Services

Mr. Ted Kochar  
City of Philadelphia  
Water Department  
SWWPCP  
8200 Enterprise Ave.  
Philadelphia, PA 19153

Dear Mr. Kochar:

Clean Venture, Inc. is pleased to offer the following cost estimate for the removal, packaging, transportation and disposal of your density meters and smoke detectors. All work will be performed by trained and licensed nuclear technicians.

The following pricing will be in effect for this project:

5.3.1.230	CVI Supervisor	\$40.00 hour x est. 5 hours	\$ 200.00
5.3.1.230	Nuclear Supervisor	\$40.00 hour x est. 5 hours	\$ 200.00
<b>Estimated Labor Total</b>			<b>\$ 400.00</b>

#### **Equipment and Supplies**

5.4.9	PPE	\$30.00 man x 2 men	\$ 60.00
5.2.1.3	Pickup Truck	\$1.00 mile x 100 miles x 2 trucks	\$ 200.00
<b>Estimated Equipment and Supplies Total</b>			<b>\$ 260.00</b>

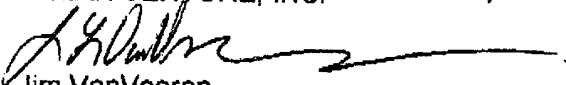
#### **Transportation and Disposal**

5.1.7.1	Reactive Substances	\$10.00 lb. x est. 850 lbs.	\$8,500.00
5.1.7.2	Transportation	\$5.00 container x 2 containers	\$ 10.00
<b>Estimated Transportation and Disposal Total</b>			<b>\$8,510.00</b>

**ESTIMATED GRAND TOTAL: \$9,170.00**

Clean Venture, Inc. appreciates the opportunity to present this proposal. We sincerely look forward to performing this project. Should you require any further information or have any questions, please do not hesitate to call.

Very truly yours,  
CLEAN VENTURE, INC.

  
Jim VanVooren  
Supervisor

Corporate Office:  
201 South First Street  
Elizabeth, NJ 07206  
908-385-5800  
FAX: 908-455-3495

North Jersey Office:  
201 South First Street  
Elizabeth, NJ 07206  
908-354-0210  
FAX: 908-354-9731

New Jersey Facility:  
217 South First Street  
Elizabeth, NJ 07206  
908-355-5800  
FAX: 908-355-0562

South Jersey Office:  
1800 Caman Street  
Camden, NJ 08105  
856-365-5544  
FAX: 856-365-0801

Maryland Office:  
2031 Inverness Avenue  
Baltimore, MD 21230  
410-368-9170  
FAX: 410-368-9171

Massachusetts Office:  
6 Deerfield Corp. Cir.  
378 Page Street  
Sloughon, MA 02072  
781-344-8880  
FAX: 781-344-8982

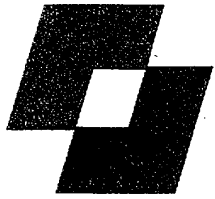
Connecticut Office:  
One Dock Street  
Stamford, CT 06902  
203-959-2800  
FAX: 203-959-2264

Pennsylvania Facility:  
550 Industrial Drive  
Leakensburg, PA 17359  
717-938-4700  
FAX: 717-938-3301

[www.cyclechem.com](http://www.cyclechem.com)

Printed on  
Recycled Paper

TOTAL P.02



CLYM  
ENVIRONMENTAL  
SERVICES, LLC

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5104 Pegasus Court  
Frederick, MD 21704  
(301) 694-6000  
Fax: (301) 694-6797

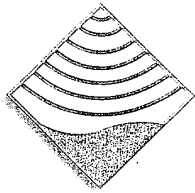
Mr. Edwards,

Enclosed you will find the acknowledgement of receipt letter from TN Technologies for the two radioactive sources shipped from your facility May 26, 2000. A Chain of Custody form is also enclosed acknowledging receipt and possession of one smoke detector to Clym Environmental Services for disposal.

Please call me with any questions you may have regarding the aforementioned material.

Thank You,

Bill Pennington  
Project Manager  
Clym Environmental Services



RCODE: 30150  
SW WPCP

TN Technologies  
Kay-Ray/Sensall

## ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

June 8, 2000

Bill Pennington  
Clym Environmental Services  
5104 Pegasus CT.  
Frederick, MD 21704

RMA Number -25428

Attention: Bill Pennington (301)694-6000

This is to certify that TN Technologies has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License LO3524.

Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	5096	B357	Cs-137	MB-198	200 mCi	9/16/80
TN TECHNOLOGIES	5096	B358	Cs-137	MB-202	200 mCi	9/16/80

Kay-Ray/Sensall

1400 Business Center Dr.  
Suite 100  
Mount Prospect, IL  
60056-6063

800-323-7594  
847-803-5100  
(fax)847-803-5466

www.kayray-sensall.com  
info@kayray-sensall.com



TN Technologies  
2555 North IH-35  
P.O. Box 800  
Round Rock, TX  
78680-0800

800-736-0801  
512-388-9100  
(fax) 512-388-9200

www.tn-technologies.com  
sales@tn-technologies.com

### Summary (2 sources)

400 mCi

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you are not the Radiation Safety Officer or responsible for maintaining regulatory records for radioactive material, please forward this letter to the appropriate person.

If you have any questions or require additional assistance, please contact us at 512-388-9100 or 800-736-0801.

Sincerely,  
TN Technologies

*Shonny Smith*

Shonny Smith  
Technical Services Coordinator

**CLYM ENVIRONMENTAL SERVICES, LLC**

5104 PEGASUS CT. FREDERICK, MD 21704

Phone 301-694-6000 Fax 301-694-6797

**QUALITY ASSURANCE PROGRAM**

**CHAIN OF CUSTODY**

Sample Location: SOUTHWEST WATER POLLUTION CONTROL PLANT

Sample Type: SMOKE DETECTOR (WITH <sup>241</sup>AM SOURCE; .8  $\mu$ ci)

Sample Date: 5/26/00

Sample Time: 9 AM

Amount Collected: 1 <sup>241</sup>AM SOURCE; .8  $\mu$ ci

Collector's Name: W. PENNINGTON

Field Information / Special Instruction: TRANSFER TO CES LAB FOR LEAK TEST  
ANALYSIS AND SHIPMENT FOR DISPOSAL.

**Chain of Possession**

1. *Manuel Chavez* SLOWPCP 26 MAY 00  
Signature Company Date

2. \_\_\_\_\_  
Signature Company Date

3. \_\_\_\_\_  
Signature Company Date

Shipped By: *Will Smith* CES 5/26/00  
Signature Company Date

Shipped Via: \_\_\_\_\_  
Mail UPS CES Other

Sample Received By: *[Signature]* CLYM 5/26/00  
Signature Company Date



RCODE: 30150

SW WPCP

# JL Shepherd & ASSOCIATES

1010 ARROYO AVE., SAN FERNANDO, CALIFORNIA 91340-1822

818-898-2361 FAX 818-361-8095

## CERTIFICATION OF SOURCE/DEVICE POSSESSION TRANSFER

This document is to certify that on or about April 14, 1998, J.L. Shepherd and Associates took possession of and title to twelve sources/devices: #1 (1) Each Kay-Ray Model 7050-B, S.N.# 10465, with approximately 200 Millicuries of Cesium-137, (as of August, 1979), #2 (1) Each Kay-Ray Model 7050-B, S.N.# 10466, with approximately 200 Millicuries of Cesium-137 (as of August, 1979), #3 (1) Each Kay-Ray Model 7063-P, S.N.# ?, with approximately 500 Millicuries of Cesium-137, (as of December 1977), #4 (1) Each Kay-Ray Model 7063-P, S.N.# 7967, with approximately 500 Millicuries of Cesium-137 (as of August 1979), #5 (1) Each Kay-Ray Model 7063-P, S.N.# 7955, with approximately 500 Millicuries of Cesium-137 (as of December, 1977), #6 (1) Each Kay-Ray Model 7063-P, S.N.# 7958, with approximately 500 Millicuries of Cesium-137 (as of December 1977), #7 (1) Each Model 7012-?, S.N.# ?, with approximately 500 Millicuries of Cesium-137 (as of December 1977), #8 (1) Each Ohmart Denstat 3000, S.N.# 64973, with approximately 750 Millicuries of Cesium-137 (as of January 1983), #9 (1) Each Ohmart Denstat 3000, S.N.# ?, with approximately 750 Millicuries of Cesium-137 (as of January 1983), #10 (1) Each Ohmart Denstat 3000, S.N.# 7311, with approximately 750 Millicuries of Cesium-137 (as of January, 1983), #11 (1) Each Texas Nuclear Model 5210 Series CN, S.N.# B34, with approximately 2 Curies of Cobalt-60 (as of May 1991), and #12 (1) Each Texas Nuclear Model 5210-CN, S.N.# B35, with approximately 2 Curies of Cobalt-60 (as of May 1991) from Philadelphia Water, Southwest Water Pollution Control, C/O Teledyne Brown Engineering Environmental Services, 50 Van Buren Ave., Westwood, NJ 07675-1235.

The transfer preparation for shipment took place under the direct supervision of J.L. Shepherd and Associates' engineer, under JLS&A'S State of California Radioactive Materials License and applicable 49CFR and CA Title 17 Transportation requirements, working under J.L. Shepherd and Associates State of California Radioactive Materials License 1777-19, Amendment 73, Expiration Date 10/11/95, with State of California Issued Letter of Timely Renewal, Dated September 21, 1995, in accordance with 10CFR40.51, 49CFR, all regulatory agency licensing and transportation requirements. J.L. Shepherd and Associates per the attached license, or our designated hot cell facility, is licensed to receive, possess and store this source/device.

Ph. Gola WPCP Maint Supv  
Philadelphia Water, Southwest Water Pollution Control

Dated: 4/14/98

Robert M. [Signature]  
Teledyne Brown Engineering Environmental Services

Dated: 4/14/98

Mary F. Shepherd  
Mary Shepherd  
J.L. Shepherd and Associates

Dated: April 9, 1998

Mike [Signature] 4/14/98

818-898-2361 FAX 818-361-8095

## TRIP REPORT

JLS&A REPRESENTATIVE: ALICE NOVEL/ALICE BERNARD

DATE: 4/14/34 HOURS: 11 COMPLETE: YES or NO

CUSTOMER'S NAME: TELETYPE FROM BUREAU/IN: INTERNATIONAL CITY/123

CONTACT: BOA LINDNER PHONE #: 312-541-1711

ADDRESS: 20 1/2 30th Ave. P.O.#: 41-706

1530000, 10/17/73 JOB #: 1530000

DEVICE: 302 3100 S.N. \_\_\_\_\_

REASON FOR VISIT: Wanted to see the President and the Vice President.

STATEMENT OF WORK: \_\_\_\_\_

PARTS USED: \_\_\_\_\_

PARTS REQUIRED TO COMPLETE:

FUTURE MAINTENANCE REQUIRED:

The following signatures acknowledge that the above work has been performed satisfactorily.

CUSTOMER'S SIGNATURE

**JLS&A REPRESENTATIVE**

## Southwest Water Pollution Control Plant

8200 Enterprise Ave.  
Phila, Pa. 19153  
215-685-4000  
16 April, 1998

Mr. Mike Novak  
P.O. Box 5176  
Oswego, NY 13126

Dear Mr. Novak,

As per your request. Enclosed is a Bill of Lading indicating Roadway Express as the carrier of Radio Active Material removed from the Southwest Water Pollution Control Plant, by J.L. Shepherd & Associates on 15 April, 1998.

Personally I want to thank you and Mr. Norwood for a fine job. Hopefully we can do business with J.L. Shepherd & Associates in the future.

Respectfully,



Frank Gola  
WPCP Maintenance Supervisor



DATE: 10/11/99  
FORM 3845

PHILADELPHIA  
19104

984399

ALTERNATE STEVENS BILL OF LADING - SHORT FORM

ROADWAY EXPRESS

TO: J.L. SHEPHERD & ASSOCIATES  
1010 ARROYO AVE.  
SAN FERNANDO, CA 91340

FROM: J.L. SHEPHERD & ASSOCIATES @  
PHIL WATER POLLUTION CONTROL  
8200 ENTERPRISE AVE.  
PHILADELPHIA, PA 19153

1-800-424-8300

HM

4 X (RQ) RADIOACTIVE MATERIAL

SPECIAL FORM N.O.S. -7-UN 2974

NAME OF EACH RADIONUCLIDE:

10 SOURCES Co-137 - 2 SOURCES Co-60

ACTIVITY IN PACKAGE: 885 mCi

DRUM, S.N.

22425

286 mCi

DRUM, S.N.

22426

3515.2 mCi

DRUM, S.N.

22427

286 mCi

DRUM, S.N.

22428

TRANSPORT INDEX:

0

DRUM, S.N.

22425

6

DRUM, S.N.

22426

2

DRUM, S.N.

22427

6

DRUM, S.N.

22428

RADIOACTIVE LABEL REQUIRED:

yellow II

DRUM, S.N.

22425

yellow II

DRUM, S.N.

22426

yellow II

DRUM, S.N.

22427

yellow II

DRUM, S.N.

22428

PLACARDS REQUIRED: NONE

SECURITY SEAL #S: 20201, 20202, 20203, 20204

TYPE OF CONTAINER: DOT-7A, STEEL DRUM, 55

GALLONS

PACKAGED IN ACCORDANCE WITH DOT 49CFR

173.415(a)

141-660764-8