



DEPARTMENT OF THE NAVY  
NAVAL UNDERSEA WARFARE CENTER DIVISION  
610 DOWELL STREET  
KEYPORT, WASHINGTON 98345-7610

5104  
Ser 171/167-04  
15 Dec 04

From: Commander, Naval Undersea Warfare Center Division, Keyport  
To: Officer in Charge, Naval Sea Systems Command Detachment, Radiological Affairs  
Support Office, Yorktown VA.

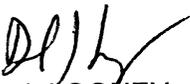
Subj: TERMINATION OF NRMP 46-00253-B1NP

Ref: (a) NAVSEA SO420-AA-RAD-010  
(b) 10 CFR Subpart E 20.1401 & Part 30 (30.36 (d) (3))

Encl: (1) NRC Form 314  
(2) IsoVac Engineering, Inc. ltr of 15 Nov 04  
(3) IsoVac Engineering, Inc. Certification of Decommissioning of Radioisotope Leak  
Testing Equipment, Accessories, and Krypton85 Gas of 15 Nov 04  
(4) IsoVac Engineering, Inc. Certification of Decommissioning of Radioisotope Leak  
Testing Equipment of 11 Nov 04  
(5) Roadway Express Bill of Lading of 11 Nov 04  
(6) Roadway Express Bill of Lading of 4 Nov 04  
(7) IsoVac Radiation Survey Form of 4 Nov 04  
(8) NAVSEA Keyport Radiation Survey of 4 Nov 04  
(9) Radiflo Service Form and Checklist of 4 Nov 04

1. In compliance with references (a) and (b), Naval Undersea Warfare Center (NUWC) Division Keyport is submitting termination notice of our Naval Radioactive Material Permit (46-0253-B1NP). The Krypton85 Gas source was no longer an asset to NUWC Division Keyport and was packaged and transferred to IsoVac Engineering Inc., California Byproduct Material Division, license number 1673-19, expiration 17 Feb 08, for total deactivation and disposal.

2. Points of contact for this submission are Mr. Robert B. Loveland (RSO) at (360) 396-5423 or DSN 744 - 5423 and Mr. Craig Webb (ARSO) at (360) 396-4142 or DSN 744 - ~~4142~~.

  
D. J. LOONEY

4147

10 CFR 30.36(j)(1); 40.42(j)(1)  
70.38(j)(1); and 72.54(j)(1)

**CERTIFICATE OF DISPOSITION OF MATERIALS**

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [bjsl@nrc.gov](mailto:bjsl@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and budget, Washington, DC 20503. If a means used to impose 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.

LICENSEE NAME AND ADDRESS  
**COMMANDER**  
**NAVAL UNDERSEA WARFARE CENTER DIVISION,**  
**KEYPORT**  
**610 DOWELL STREET**  
**KEYPORT WA 98345-7610**

LICENSE NUMBER  
**NRMP 46-00253-B1NP**

DOCKET NUMBER

LICENSE EXPIRATION DATE  
**31 MARCH 2003**

**A. LICENSE STATUS (Check the appropriate box)**

- This license has expired.  This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)  
The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured on behalf of the licensee under this license.
2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
- a. Transfer of radioactive materials to the licensee listed below: **IsoVac Engineering, Inc.**  
**614 Justin Ave.**  
**Glendale, CA 91201**
- b. Disposal of radioactive materials:
1. Directly by the licensee: **California Byproduct Material License Number 1673-19**  
**Expiration Date 17 Feb. 2008**
2. By licensed disposal site:
3. By waste Contractor:
- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

The person to be contacted regarding the information provided on this form:

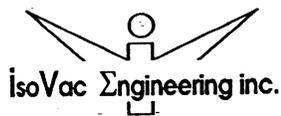
NAME <b>ROBERT B LOVELAND</b>	TITLE <b>RADIATION SAFETY OFFICER</b>	TELEPHONE (Include Area Code) <b>360 396-5423</b>	E-MAIL ADDRESS <b>blovelan@kpt.nuwc.navy.mil</b>
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Mail all future correspondence regarding this license to:  
E-MAIL **cwebb@kpt.nuwc.navy.mil**

**C. CERTIFYING OFFICIAL**  
**I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT**

PRINTED NAME AND TITLE <b>CAPT. D. J. LOONEY, COMMANDER</b>	SIGNATURE 	DATE <b>12/16/04</b>
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**WARNING: FALSE STATEMENTS IN THIS CERTIFICATION MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT, 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 MATER WITHIN IT JURISDICTION.**



November 15, 2004

HQ AFSC  
AMSFS-CCA-I  
ROCK ISLAND, IL 61299-6500

Attn: EDWARD SCHUMAN  
CC: David Horton  
Robert Loveland

Ref: Contract W52P1J-04-P-0042

IsoVac has completed the contracted efforts under the referent contract.

The attached items include those required by the 'Scope of Work' 'Project USN 2003-023', in accordance with paragraph:

#### 7.0 DELIVERABLES

7.1 Copy of: (a) Roadway Express 'Straight Bill of Lading'  
(b) Driver's 'Bill of Lading'.

7.2 Signed Bill of Lading receiving shipment at IsoVac.

7.3 Certificate of disposal of Radiflo machine.  
Certificate of disposal of accessory equipment and disposition of Kr85 gas.

7.4 Keyport Facility Survey after removal of Radiflo equipment.

IsoVac Radiflo Service Form with calculations of Kr85 gas transfer.  
Calculation sheet for determination of Kr85 content and concentration in machine.

Hopefully these items will complete the requirements of the contract. Should you have any questions regarding these or anything we may have overlooked, please contact us, and we will address those questions.

We wish to thank both Mr. Loveland and Mr. Horton for all of their assistance in completing this project. They both made every effort to see the project satisfactorily completed.

Very truly yours

George R. Neff  
President



## **CERTIFICATION of DECOMMISSIONING**

*Of*

### **RADIOISOTOPE LEAK TESTING EQUIPMENT, ACCESSORIES, AND KRYPTON85 GAS**

The following Radiflo equipment, accessories, and Kr85 content has been transferred from the US Navy Keyport Radioactive Materials License Permit No. 46-00253-B1NP Rev. A, to IsoVac Engineering's California Byproduct Materials License Number 1673-19, Exp. February 17, 2008, for total deactivation and disposal.

#### **Equipment location at time of shut down:**

COMPANY NAME: NAVSEA NAVAL UNDERSEAS Warfare Center Division  
Address: 610 Dowell Street  
Keyport, WA 98345

#### **Decommissioning after receipt at IsoVac**

Equipment: Radiflo Mark IV system

[Completely dismantled and deactivated all component parts, oils, etc\*.]

Three tanks containing approximately 1.35 curies of Kr85 each.

[Transferring into IsoVac Radiflo leak detection equipment for Recycling]

Exhaust ducting completely cut up, vacuum baked, certified at less than ambient background and disposed of as uncontaminated metal.

\* Oils vacuum baked to remove all Kr85. Lead shielding recycled. All internal components vacuum baked and verified to be Kr85 free.

CERTIFIED BY: *George R. Neff*  
George R. Neff, R.S.O.  
IsoVac Engineering, Inc.

Date: November 15, 2004



## ***CERTIFICATION of DECOMMISSIONING***

***Of***

## ***RADIOISOTOPE LEAK TESTING EQUIPMENT***

The following equipment has been removed from the use and handling of Krypton85 gas,  
And has been transferred to IsoVac Engineering's California Byproduct Materials License  
Number 1673-19, Exp. February 17, 2008, for total deactivation and disposal.

### **Equipment location at time of shut down:**

COMPANY NAME: NAVSEA NAVAL UNDERSEAS Warefare Center Division  
Address: 610 Dowell Street  
Keyport, WA 98345  
Byproduct Materials License Number: Permit No. 46-00253-B1NP Rev. A

### **Equipment Manufacturer:**

COMPANY: IsoVac Engineering, Inc.

Model Number: Mark - IV  
Serial Number: 6260

### **Field Deactivation Performed BY:**

Technician: Jorge' Bonilla  
Company: IsoVac Engineering, Inc.  
Byproduct Materials License No.: 1673-19 Exp: February 27, 2008

### **Radiation readings on receipt at IsoVac:**

Exterior of shipping container: 0.02 mr/hr.  
Estimated Krypton85 gas content: ~200 m Curies

CERTIFIED BY: *George R. Neff*  
George R. Neff, R.S.O.  
IsoVac Engineering, Inc.

Date: November 11, 2004

FREIGHT CHARGES ARE COLLECT UNLESS MARKED PREPAID BELOW  
 STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

**THANK YOU FOR USING ROADWAY.**

USE WWW.ROADWAY.COM OR THE ROADWAY VOICE RESPONSE SYSTEM FOR TRACING, ROUTING, RATES AND CLAIM INQUIRIES, AND THE LATEST ROADWAY NEWS.



ROADWAY EXPRESS, INC. (RDWY)  
 GENERAL OFFICES: AKRON, OHIO  
 (DUNS 00-699-8397)

CALL 1-800-ROADWAY  
 (1-800-762-3929)

DATE 11-5-04 PRO. NO. \_\_\_\_\_

B/L NO. \_\_\_\_\_ PAGE \_\_\_\_\_

SHIPPER NO.		TRAILER NO.	
SHIPPER NAME IsoVac Engineering, Inc.			
ADDRESS 614 Justin Ave,			
CITY Glendale,	STATE CA	ZIP CODE 91201	
ORIGIN CITY (IF DIFFERENT THAN ABOVE) Keyport	STATE WA	ZIP CODE 98345	
INVOICEE IsoVac Engineering, Inc.			
ADDRESS 614 Justin Ave.			
CITY Glendale	STATE CA	ZIP CODE 91201	
ATTN: George Neff			

CONSIGNEE NAME AND ADDRESS IsoVac Engineering, inc.		
614 Justin Ave.		
DESTINATION CITY Glendale,	STATE CA	ZIP CODE 91201
PHONE NO. (818) 552-6200		
CUSTOMER NO.	STORE NO.	DEPT.
P.O. NO.		
SPECIAL INSTRUCTIONS "Volume Sealed Trailer"		
Seal No. 0394943 Quote ID # 91437159		

COD FEE PREPAID  COLLECT  COD AMT ~~XXXXXXXXXX~~ XXXXXXXXXX CUSTOMER CHECK OK FOR COD AMOUNT? YES  NO

NO. SHIPING UNITS	KIND OF PKG	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	NMFC ITEM NO.	CLASS	WEIGHT (LB) SUBI. TO CORR.	RATE	CHARGES CARRIER USE ONLY
3	boxes	X	Detector Gas, Radioactive material, Low specific activity (LSA-II) non-fissile or fissile excepted, 7, UN3321 (Kr85 gas 22.85 mCi/gm)	6155501	92-5	2400		
1	skid	X	Steel tank, radioactive material, excepted package/instrument, 7, UN2911	4116002	60	1200		
			Received at IsoVac: By <u>J. K. Neff</u> Date: <u>11-11-04</u>					
			Payment Rec'd Roadway By: <u>Row Souts</u>					

HAZARDOUS MATERIALS EMERGENCY CONTACT NUMBER: (818) 552-6200  
 FREIGHT CHARGES ARE:  COLLECT  PREPAID  
 TOTAL CHARGES \$ 2,288.50 <sup>9.50</sup>

NOTE (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows:  
 The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_.

NOTE (2) Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706 (c)(1)(A) and (B).

RECEIVED, subject to individually determined rates or written contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

The property described above is in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined, as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry its usual place of delivery of said destination, if on its route, otherwise to deliver to another carrier on the route to said destination.

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER COMPANY NAME IsoVac Engineering, Inc.	CARRIER ROADWAY EXPRESS, INC.	DATE 11-04-04	Trailer Loaded by: <input type="checkbox"/> Shipper <input type="checkbox"/> Driver
SHIPPER SIGNATURE <u>George Neff</u>	ROADWAY EMPLOYEE SIGNATURE	H/U RECEIVED	Freight Counted by: <input type="checkbox"/> Shipper <input type="checkbox"/> Driver: pallets said to contain <input type="checkbox"/> Driver: loose pieces <input type="checkbox"/> Driver: pallets containing
MARK "X" IN "HM" COLUMN FOR HAZARDOUS MATERIALS			SINGLE SHIPMENT PICKUP <input type="checkbox"/> PRINTED U.S.A.

RADIATION SURVEY FORM

Company:	NAVAL UNDESEA W.C.	Date:	11/04/04
Address:	NUWCD - KEYPORT / BANGOR (BLOG.5003)		
City:	BANGOR	State:	WA
Byproduct Materials License Number:	NRMP 4600253-NPIB	Expiration Date:	NEW LICENSE IN PROCESS
Radiation Safety Officer	ROBERT LOVELAND		

Survey Instrument:	RADIATION ALERT	Cal. Due Date:	8/17/2005
Model:	MONITOR 4EC	Serial Number:	4EC

Areas Surveyed: AFTER REMOVING RADIFLO MK IV

1. RADIFLO ROOM
Maximum Reading: 0.015 mr/hr.
2. COUNTING STATION AREA
Maximum Reading: 0.01 mr/hr.
3. SHIPPING TANKS & RADIFLO MK IV
Maximum Reading: 0.015 mr/hr.
4. ADJACENT AREAS / EXHAUST / BACKGROUND
Maximum Reading: 0.015 mr/hr.

SURVEY PERFORMED BY:	GEORGE NEFF / GEORGE BONILUA
COMPANY:	ISOVAC ENG. INC.
DATE:	NOV/04/04

## **RADIATION SURVEY**

**DATE:** 04 Nov. 04      **TIME:** 1430

**LOCATION:** NAVAL UNDERSEA WARFARE CENTER ANNEX  
Building 5003, NAVAL BASE KITSAP, Washington

**Radioactive Isotope:** Krypton 85

**Survey Instrumentation:** RADIAC IM231A/PD, Serial Number, A439

Cal. Date 27 May 04

Due Date 27 Nov. 04

**Survey Results:** (Direct surface reading) = Back Ground  
(Swiped floor, walls & Ceiling w "Tech Wipes", ~100 sq. ft. ea.) = Back Ground  
(No contamination was detected)

**Surveyed by:** Robert B. Loveland, Radiation Safety Officer

### **Disposition of radioactive isotope Krypton 85**

The Krypton 85 was a Gas source and had been used to detect leakage in hermetically sealed packages that contained electronic circuit boards up until 4/93.

The source was licensed under Navy Radioactive Material Permit (NRMP), No. 46-00253-B1NP.

On 04 Nov. 04 the Krypton Gas and all of its associated equipment was removed by and transferred to IsoVac Engineer. The Gas was transferred to California Byproduct Material License Number 1673-19, which expires February 17, 2008, for total deactivation and disposal.

At the time of shipment the estimated Krypton 85 gas content was ~200 m Curies.

ROBERT B. LOVELAND  
Radiation Safety Officer

# Radiflo® Service Form

Work Order Number

W/O 9152

No. W52P1J-04-P-0042  
Expiration Date: \_\_\_\_\_

Service Date(s): \_\_\_\_\_

Invoice To: NAVSEA Naval Underseas	Service Address: NAVSEA NAVAL UNDERSEAS
Warefare Center Division	Warefare Center Division
610 Dowell Street	610 Dowell Street
Keyport WA, 98345.	Keyport WA, 98345
CC: <u>R. LOVELAND.</u>	

Type of Service:  Installation/Training  Regular Scheduled Service  Unscheduled/Emergency

### BILLING INFORMATION

Charges: \$ \_\_\_\_\_ / day x \_\_\_\_\_ day(s) Date(s): \_\_\_\_\_ \$ \_\_\_\_\_  
 - "Lost Day" Charge \$ \_\_\_\_\_ / day x \_\_\_\_\_ day(s) \_\_\_\_\_ \$ \_\_\_\_\_  
 - "Zone-Charges" \$ \_\_\_\_\_ / day x \_\_\_\_\_ day(s) \_\_\_\_\_ \$ \_\_\_\_\_  
 (To be completed after visit)  
 - "Airfare" \$ \_\_\_\_\_  - "Auto" \$ \_\_\_\_\_  - "Misc. Chgs" \$ \_\_\_\_\_ \$ \_\_\_\_\_

### - PARTS USED -

Qty.	P/N	Description	Unit Price	Total Price
			\$	\$
			\$	\$
			\$	\$
			\$	\$
			\$	\$

Instrument(s) Serviced: RADIFLO MKIV S/N: 6260 S/N: \_\_\_\_\_ S/N: \_\_\_\_\_ S/N: \_\_\_\_\_

Action Items & Remarks: System Analysis: 3.96 Ci S = 64.8 ul/atm.cc  
 1. ManKIV gas transferred to: Tank 1 to 2 psig + Air to 34.8 psia  
 To: Tank 2 to 2 psig + Air to 34.6 psig  
 To: Tank 3 to 2 psig + Air to 32 psia

MATERIAL WILL BE TRANSFER TO WINCESE 1673. (CA)

Service Performed By: Jorge Bonilla Date: Nov 4, 2004  
 IsoVac Engineer Approved By: Robert B. Loveland  
 (Print Name): Robert B. Loveland

Comments:

E. GENERAL INFORMATION:

1. Storage Tank Volume (in cc)
2. Activation Tank Volume (in cc)
3. Hasting Gauge Cal. at 2 mmHg Reading

Inst. Date	1 st. Date	2 nd. Date	3 rd. Date
7570			
7570			
2.00 *	*	*	*
F. RECORDS CHECK:			
G (Good)			
INC. (Incomplete)			
1. Activity Log			
2. Isotope Receipt Log			
3. Radiflo® Cycle Log			
4. Film Bade Records			
5. Survey Meter Cal.			

G. CALCULATIONS: Sample vol = 3.5 lcc

1. Leak Test

$$Q = \frac{P_1(\text{mm}) - P_0(\text{mm})}{760(\text{mm})} \times \text{Act. Tank Vol. (cc)} = \frac{T_1 - T_0(\text{Sec})}{T_1 - T_0(\text{Sec})}$$

2. Specific Activity and Curie Content Calculations - include all data, use corrected mm Hg value\* as compared to NBS reference: use "age corrected" KR-85 Std.

Specific Activity:

$$S = \frac{c/m \text{ Sample (net)} \times \mu\text{c Std (corrected)}}{c/m \text{ Std (net)} \times \frac{2}{760} \times \text{Vial Vol}}$$

$$S = \frac{9,400 \mu\text{c/m} \times 0.35}{5500 \times 2 \times 3.51}$$

$$S = \frac{3290}{5500 \times 2 \times 3.51} = 64.8 \mu\text{Ci/atm cc}$$

Curie Content:

$$C = \frac{S \times V \times P(\text{atm})}{10^6 \mu\text{c/c}}$$

$$C = \frac{64.8 \mu\text{Ci/atm cc} \times 7570 \text{ cc} \times 8.07 \text{ atm}}{10^6 \mu\text{c/c}}$$

$$C = \frac{3960000}{10^6} = 3.96 \text{ Ci}$$

At Installation

Date 11-3-04

1st Visit

Date \_\_\_\_\_

2nd Visit

Date \_\_\_\_\_

3rd Visit

Date \_\_\_\_\_

4th Visit

Date \_\_\_\_\_

S = <del>3.96 Ci</del> 64.8 $\frac{\mu\text{Ci}}{\text{atm cc}}$	C = 3.96 Ci
S =	C =
S =	C =
S =	C =
S =	C =

COMPANY: US NAVY - Keegan ADDRESS: BANGOR BASE  
 ENGINEER: GN & GB <sup>REMOVAL</sup> INSTALLATION: 11/04/04 1st: \_\_\_\_\_ 2nd: \_\_\_\_\_ 3rd: \_\_\_\_\_  
 EQUIPMENT MODEL: RADIFLO MKIV SERIAL NUMBER: 6260

A. PRELIMINARY INFORMATION

1. Activation Tank Pressure (psia)
2. Storage Tank Pressure: psia, psig
3. Compound Gauge
4. Oil Level: Vac I, Vac II
5. Specific Activity (Mk V only)

Comments:

B. MECHANICAL PARTS: Checked: (OK)  
 Changed: (CH)

VALVES

CON

		INITIAL			
		<del>1st</del>	<del>2nd</del>	2 nd.	3 rd.
1. Activation Tank Pressure (psia)		ATM =	14.7	PSIA	
2. Storage Tank Pressure: psia, psig		119	PSIA	104	PSIG
3. Compound Gauge		-18	inHg		
4. Oil Level: Vac I, Vac II		OK,	BOTH	PUMPS	
5. Specific Activity (Mk V only)		64.8	uc/Atm	cc.	
Comments:					
B. MECHANICAL PARTS: Checked: (OK) Changed: (CH)					
<u>VALVES</u>					
1. 1			N/A		
2. 2					
3. 3 or Check Valve					
4. 4 (Mk IV only)					
5. 5 (Mk IV only)					
6. 6					
7. 7					
8. 8					
9. 9					
10. 10 (Mk IV only)					
11. 11					
12. 12					
13. 13 (Compressor By-pass)					
14. 14					
15. 15					
16. 16					
17. 17					
18. By-pass I					
19. By-pass II					
20. Valve 25 (Mk V only)					
21. Valve 26 (Mk V only)					
22. Tank "O" Ring					
23. Vac I					
Vac II					
Belt Condition					



P.O. BOX 471, AKRON, OH 44309-0471 (RDWY) (EIN 34-0492670)

RDWY P/U DATE	DESTINATION	RATE CODE	ITEM TENDER NO.	PAGE
11-04-04	B27-1	/Z4	299 914	01 OF 03
NO/DEPT NO.				BEY CL CODE
NS				??
NAVAL WEAPON CENTER			SHPR CODE 0255	BEY CL AMT
610 DOWELL ST				
KEYPORT WA 98345				
ISOVAC			CONS CODE	
614 JUSTIN AVE				
GLENDALE CA 91201				

SEE FINAL PAGE

**PRO NO**  
ORG  
B73



ROADWAY'S TARIFFS LIMIT ITS LIABILITY. ALL FREIGHT RECEIVED IN GOOD ORDER AND SHRINKWRAP/BANDING INTACT UNLESS NOTED BELOW. THANK YOU! ROADWAY EXPRESS, INC.

PLEASE SIGN HERE      DATE      TIME

*X1-10*

OR GBL NO. NS

INVOICEE

SEE FINAL PAGE

\* PLEASE PAY DRIVER \*  
SEE FINAL PAGE  
\*\*\* C.O.D. \*\*\*

NO. H/U	PKG	HM	DESCRIPTION OF ARTICLES	CODE	WEIGHT (LB)	RATE	CHARGES
3	BOX	X	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), 7, UN 3321 (RAM) DETECTOR GAS, NON-FISSILE OR FISSILE EXCEPTED (KR85 GAS 22.85 MCI/GM NMFC=06155501 CLC925	C92.5	2400		
1	SKD	X	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE-INSTRUMENTS, 7, UN 2911 (RAM) STEEL TANK NMFC=04116002 CLC60 SEALED TRAILER SERVICE, DO NOT BREAK SEAL	C60	1200		

CONSIGNEE'S COPY

ADV C/L	C/L P/U DATE	ADV C/L FRT BILL NO.	ADV C/L AMT	DUE FM ADV C/L
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ROADWAY EXPRESS, INC. P.O. BOX 471, AKRON, OH 44309-0471 (RDWY) (EIN 34-0492670) DU

RDWY P/U DATE	DESTINATION	RATE CODE	ITEM/TENDER NO.	PAGE
1-04-04	B27-1	/Z4	299 914	02 OF 03
NO/DEPT NO.				BEY CL CODE
NS				??
NAVAL WEAPON CENTER			SHPR CODE 0255	BEY CL AMT
610 DOWELL ST				
KEYPORT WA 98345				
ISOVAC			CONS CODE	
614 JUSTIN AVE				
GLENDALE CA 91201				

SEE FINAL PAGE

**PRO NO**  
ORG  
B73

873-557069-0

ROADWAY'S TARIFFS LIMIT ITS LIABILITY. ALL FREIGHT RECEIVED IN GOOD ORDER AND SHRINKWRAP/BANDING INTACT UNLESS NOTED BELOW. THANK YOU! ROADWAY EXPRESS, INC.

PLEASE SIGN HERE      DATE      TIME

X

OR GBL NO. NS

INVOICEE

SEE FINAL PAGE

\* PLEASE PAY DRIVER \*  
SEE FINAL PAGE  
\*\*\* C.O.D. \*\*\*

NO. H/U	PKG	HM	DESCRIPTION OF ARTICLES	CODE	WEIGHT (LB)	RATE	CHARGES
4	TTL	/ / / /	SEAL, DO NOT FILL FEE FOR PROCESSING COD CUSTOMER CHECK OK HAZARDOUS MATERIAL SERVICE GENERAL SURCHARGE (FUEL/FRT) TERMINAL DOWNLOAD INVOICE	FEE COD			78.09 1301.51
				TTL	3600		1379.60 CCL

S: 818-317-0028 C: 818-552-6200  
SN#: 0394943

CONSIGNEE'S COPY

ADV C/L	C/L P/U DATE	ADV C/L FRT BILL NO.	ADV C/L AMT	DUE FM ADV C/L
---------	--------------	----------------------	-------------	----------------