

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

53-14057-02

ORC

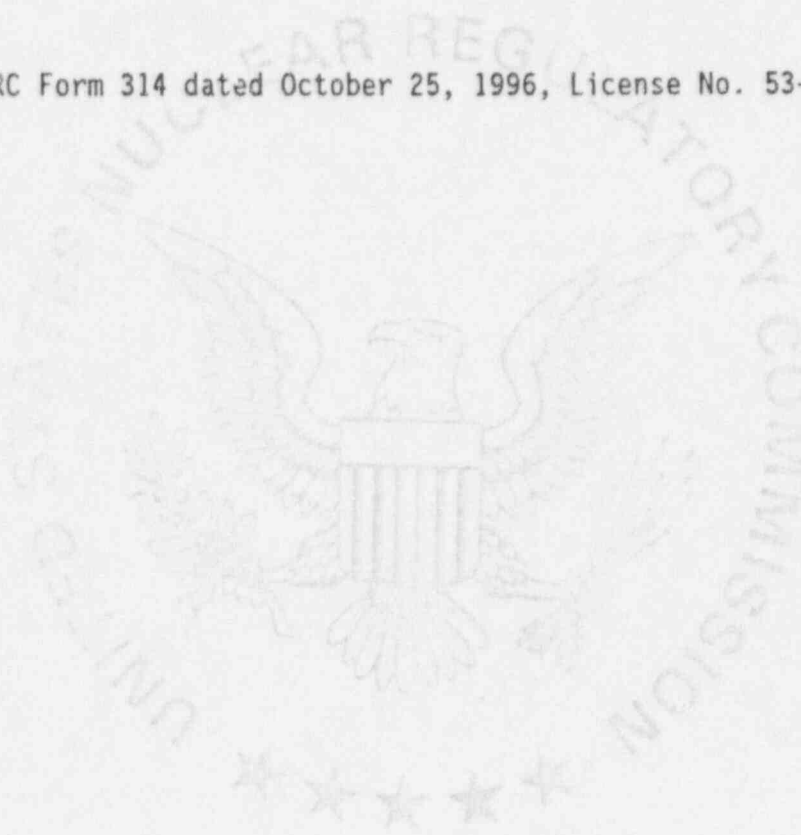
Docket or Reference Number

030-20370

Amendment No. 4

City and County of Honolulu
DPW-Division of Engineering
650 South King Street
Honolulu, Hawaii 96813

In accordance with NRC Form 314 dated October 25, 1996, License No. 53-14057-02 is hereby terminated.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date NOV 26 1996

By Beth A. Prange
Materials Branch
Region IV; WCFO
Walnut Creek, California 94596

9612060089 961126
PDR ADOCK 03020370
C PDR

di ML40

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03121
Status Code: 0
Fee Category: 3P
Exp. Date: 20040630
Fee Comments:
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION V

1. APPLICATION ATTACHED

Applicant/Licensee: HONOLULU, CITY & CTY. OF
Received Date: 961104
Docket No.: 3020370
Control No.: 572427
License No.: 53-14057-02
Action Type: Termination

2. FEE ATTACHED

Amount:

Check No.: None

3. COMMENTS

Signed
Date

Joan Garcia
11-5-96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ✓)

1. Fee Category and Amount: 3P

2. Correct Fee Paid. Application may be processed for:

Amendment

Renewal

License

Term

3. OTHER

Signed
Date

Rita Messier
11/14/96

RECEIVED BY LFMS

Date 11/8/96

Log Nov 1 IV

By Ken

Date Completed 11/14/96

1096 NOV -8 PM 1:45



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

NOV 26 1996

Richard So
Radiation Safety Officer
City and County of Honolulu
DPW-Division of Engineering
650 South King Street
Honolulu, Hawaii 96813

SUBJECT: TERMINATION OF YOUR NRC RADIOACTIVE MATERIALS LICENSE

Dear Mr. So:

On October 25, 1996, you submitted an NRC Form 314 and indicated that you wished to terminate your NRC radioactive materials license. The NRC staff has reviewed your sealed source leak test results and other pertinent information which you submitted to support your termination request. Based on this review, the staff has concluded that all licensable radioactive material has been removed from your facility, and your facility is suitable for unrestricted use. Therefore, NRC license number 53-14057-02 for your facility at 135 Ohe Street, Honolulu, Hawaii, is hereby terminated.

If you have questions, I can be contacted at (510) 975-0250.

Sincerely,

Beth A. Prange
Sr. Health Physicist (Licensing)
Materials Branch

Docket No. 030-20370
License No. 53-14057-02

Enclosure: Termination Amendment

bcc:

Docket File
WCFO Inspection File
LFDCB, T-9 E10
State of HI (License Only)

DOCUMENT NAME: G:\beth\572427

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

MB	N								
BPrange <i>BAP</i>									
11/26/96	11/ /96	11/ /96	11/ /96	11/ /96	11/ /96	11/ /96	11/ /96	11/ /96	11/ /96

OFFICIAL RECORD COPY

Boart Longyear Company
2830 Howe Road
Martinez, California 94553 USA
Telephone: 510-228-9770
Fax: 510-228-3183

Fax Message

**BOART LONGYEAR
CPN***To: Beth PrangePage 1 of 2Company: NRCFax Number: 975-0381From: Alison Dratva

Date/Time Sent: _____

Date: November 26, 1996

Reference No.: _____

Beth,

Please find attached a copy
of Honolulu's Letter of Receipt. If you
have any further questions, feel free to
call us.

Sincerely,

Alison

Boart Longyear Company
2830 Howe Road
Martinez, California 94553 USA
Telephone: (510) 228-9770
Fax: (510) 228-3183



BOART LONGYEAR
CPN

Return Authorization No. 0070

LETTER OF RECEIPT OF GAUGE/SEALED SOURCE

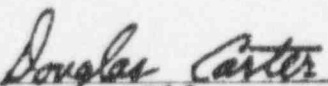
To Radioactive Material Licensing Agencies:

Boart Longyear Company/CPN (California License No. 1100-07) has taken possession of the following nuclear gauge. A certificate of leak test is on file.

Date of Transfer of Possession: October 23, 1996

Model No.:	CPN MC-1	Serial No.:	M14075539
Nuclide:	Am-241/Be	Activity:	50 mCi
	Cs-137		10 mCi

Licensee: Name: Mr. Richard So
City and County of Honolulu
DPW Div. of Engr.
650 S. King St., 15th Floor
Honolulu, HI 96813



RSO/Assistant RSO
Boart Longyear Company/CPN



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

NOV - 5 1996

City and County of Honolulu
DPW - Division of Engineering
ATTN: Richard K. So
Radiation Safety Officer
650 South King Street
Honolulu, Hawaii 96813

SUBJECT: ACKNOWLEDGMENT OF REQUEST FOR LICENSING ACTION

REFERENCE: Application dated October 25, 1996

We have completed the administrative review and initial processing of your application.

Please note that the technical review may identify additional omissions in the submitted information or technical issues that require additional information.

Termination actions are normally processed within 90 days, unless the technical review identifies:

- Major technical deficiencies
- Policy issues that require input and coordination with other NRC Regional offices, Agreement State offices, or NRC's Office of Nuclear Materials and Safeguards
- Decommissioning/decontamination activities are required before an application can be completed
- Confirmatory closeout surveys after decontamination/decommissioning activities are required before a license can be terminated or a facility removed from the license

A copy of your correspondence has been forwarded to our License Fee and Accounts Receivable Branch, Office of the Controller, who will contact you separately if the appropriate license fee has not been submitted for your request, or for billing if your request is subject to full cost recovery.

Any correspondence about this application should reference the Control number listed below.

Sincerely,

Beth Prange
Sr. Health Physicist (Licensing)
Materials Branch

Docket No. 030-20370
License No. 53-14057-02
Control No. 572427

bcc:
Docket File

To receive a copy of this document, indicate in the box "C" - Copy without attachment/enclosure "E" - Copy with attachment/enclosure "N" - No Copy

OFFICE	RIV:AO:NMLB	N		N				
NAME	J. Garcia		B. Prange					
DATE	11/15/96		11/15/96					

030-20370

Termination

NRC FORM 314

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028
EXPIRES: 05/31/95D-93)
10 CFR 30.36(c)(1)(iv)
10 CFR 40.42(a)(1)(iv)
10 CFR 70.38(c)(1)(iv)

CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED - PRINT OR TYPE
SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSEESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION
COLLECTION REQUEST: 30 MINUTES. THIS MANDATORY 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 INFORMATION AND RECORDS MANAGEMENT BRANCH (JANIS 7714), 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.

LICENSEE NAME AND ADDRESS

City & County of Honolulu
DPW - Division of Engineering
650 South King Street
Honolulu, Hawaii 96813

LICENSE NUMBER

53-14057-02

LICENSE EXPIRATION DATE

June 30, 1999

A. MATERIALS DATA (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.)

- ☐ 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.
- ☒ 2. 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.

Transfer CPN Nuclear Gauge, Model MC-1, to Boart Longyear/CPN for Disposal.

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.The Gauge was shipped to Boart Longyear/CPN,
2830 Howe Road, Martinez, CA, on 10-22-96 VIA FEDEX. (See Attached:
(1) Airbill, (2) Bill of Lading, (3) Shippers Declaration for Radioactive
materials, and (4) Current Leak Test Certification.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. OTHER DATA

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.
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. (Check one)

☐ NO (Attach explanation)☒ YES, THE RESULTS (Check one)☒ ARE ATTACHED, or☐ WERE FORWARDED TO NRC ON (Date)

3. THE PERSON TO BE CONTACTED
-
- REGARDING THE INFORMATION
-
- PROVIDED ON THIS FORM

NAME

Richard K. So

TELEPHONE NUMBER
(Include Area Code)

808 523-4428

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

City & County of Honolulu
DPW - Div. of Engineering
650 South King Street, 15th floor
Honolulu, Hawaii 96813

CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Richard K. So
CE V

SIGNATURE

Richard K. So

DATE

10.25-96

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 JURISDICTION.

572427



USE THIS AIRBILL FOR DANGEROUS GOODS SHIPMENTS ONLY WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII.
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO AND ALL NON U.S. LOCATIONS.
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER

9684890751

9684890751



SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER 208085476		Date 10-21-96	
From (Your Name) Please Print Richard So Company		Your Phone Number (Very Important) (808) 523-4428 Department/Floor No.	
City and County of Honolulu DPW/Engr. Street Address 650 South King Street, 15th Floor City State ZIP Required Honolulu HI 96813		To (Recipient's Name) Please Print Alison Dratva Company Boart Longyear/CPN, Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) 2830 Howe Road City State ZIP Required Martinez CA 94553	
YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.) P. O. Box 0794		IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here (Not available at all locations) Street Address City State ZIP Required	
PAYMENT 1 <input checked="" type="checkbox"/> Bill Sender's Acct. No. 2 <input type="checkbox"/> Bill Recipient's FedEx Acct. No. 3 <input type="checkbox"/> Bill 3rd Party FedEx Acct. No. 4 <input type="checkbox"/> Bill Credit Card 5 <input type="checkbox"/> Cash/Check Acct./Credit Card No. 6 <input type="checkbox"/> Bill Credit Card No. below (req'd.) 7 <input type="checkbox"/> Bill Credit Card No. below (req'd.)		8 <input type="checkbox"/> Bill Credit Card No. below (req'd.)	
SERVICES (Check only one box) Priority Overnight (Delivery by next business morning) Standard Overnight (Delivery by next business afternoon No Saturday Delivery) Economy Two-Day (Delivery by second business day) Government Overnight (Respected for authorized users only) Freight Service (For packages over 150 lbs.) OVERNIGHT FREIGHT** 80 TWO-DAY FREIGHT** INSTRUCTIONS (Mark appropriate boxes) • Dangerous Goods as per attached Shipper's Declaration <input checked="" type="checkbox"/> • Dangerous Goods Shipper's Declaration not required <input type="checkbox"/> • Cargo Aircraft only <input checked="" type="checkbox"/>		DELIVERY AND SPECIAL HANDLING (Check services required) 1 <input type="checkbox"/> HOLD AT FEDEX LOCATION WEEKDAY (7-11 in Section H) 2 <input type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> HOLD AT FEDEX LOCATION SATURDAY (If in Section H) 4 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 5 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) Special Handling 6 <input checked="" type="checkbox"/> DANGEROUS GOODS (Extra charge) 7 <input type="checkbox"/> DRY ICE (Dangerous Goods Shipper's Declaration not required) 8 <input type="checkbox"/> HOLIDAY DELIVERY (If offered) (Extra charge)	
PACKAGES 1 80 4,000 Total Total Total 1 80 4,000 DIM SHIPMENT (Chargeable Weight) 26" x 14" x 18" 1 <input type="checkbox"/> Regular Ship 2 <input type="checkbox"/> Drop Box 3 <input type="checkbox"/> B.S.C. 4 <input type="checkbox"/> On-Call Ship 5 <input type="checkbox"/> Station		SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY Use of this airbill constitutes your agreement to the service conditions in our current Service Guide, available upon request. See back of sender's copy of this airbill for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details. We will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or "surroundings," unless you declare a higher value, pay an additional charge, and document your actual loss for a timely claim. Limitations: loss, "in the current Federal Express Service Guide apply. Your right to recover, "from Federal Express for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the declared value, "to the left. Recovery cannot exceed actual documented loss. In the event of untimely delivery, Federal Express will at your request and with some limitations refund all transportation charges paid. See Service Guide for further information.	
SIGNATURE RELEASE UNAVAILABLE		Federal Express Use Base Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 11/94 Part # 146187/146188 FORMAT #219 GBFE 1/96 219 © 1994 FEDEX PRINTED IN U.S.A.	

9684890751

Page ___ of ___ Pages

Two completed and signed copies of this Declaration must be handed to the operator.

WARNING

Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.

Shipment type: (delete non-applicable)

~~NONHAZARDOUS~~ RADIOACTIVE

TRANSPORT DETAILS	
This shipment is within the limitations prescribed for: (delete non applicable) PASSENGER AIRCRAFT CARGO AIRCRAFT ONLY	Airport of Departure Honolulu, HI
Airport of Destination:	

NATURE AND QUANTITY OF DANGEROUS GOODS					Quantity and type of packing	Packing Inst.	Authorization
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk			
Radioactive Material, Special Form, N.O.S.	7	UN2974			One case: R. Q. Radioactive Material, DOT Spec. 7A Type A Package. Containing: CS-137 10 MCI AM-241/BE 50 MCI Radioactive Yellow II Label, Transportation Index = 0.1		

Additional Handling Information

Attached: (1) Bill of Lading, (2) Shippers Declaration for Radioactive Materials, and (3) Current Leak Test Certification

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in the proper condition for transport by air according to the applicable International and National Governmental Regulations.		Name/Title of Signatory Richard So, CE V
Emergency Telephone Number (Required for US Origin or Destination Shipments) (808) 523-4428		Place and Date Honolulu, HI, 10/22/96
IF ACCEPTABLE FOR PASSENGER AIRCRAFT, THIS SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN, OR INCIDENT TO, RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT.		Signature (see warning above) Richard So



Reference GB/113/S-85
Certificate Issue 1

Certificate of Approval of Design for Special Form Radioactive Material

Title	
Neutron Plus Gamma Source Capsule X.220	
Drawing Nos and Specification References	
Assembly: 3A 10036 Issue F Details: 3A 10039 Issue F 3A 10038 Issue E	
RSD/CTR/102 Dated 14 January 1981 SEM/113/1292 Dated 16 October 1992	
Q.A. Programme Ref: I P Q A M	
Radioactive Material	Maximum Activity
Americium 241/Beryllium Caesium 137	4.6 GBq (120 mCi) 4.6 GBq (120 mCi)

THIS IS TO CERTIFY that the Secretary of State for Transport being, for the purposes of the Regulations of the International Atomic Energy Agency, the Competent Authority of Great Britain in respect of inland surface transport and of the United Kingdom of Great Britain and Northern Ireland in respect of sea and air transport and the Department of the Environment for Northern Ireland being the Competent Authority of Northern Ireland in respect of inland surface transport, have approved the above mentioned Special Form Design. Radioactive material manufactured to the above-mentioned design qualifies as special form radioactive material and as such will meet the requirements of the regulations overleaf.

This Certificate of Approval applies only to the design as set out in the above named drawings and specifications submitted by Amersham International plc

In the event of any alteration in the composition of the package, the package design or in any of the facts stated in the application for approval, this certificate will cease to have effect unless the Competent Authority is notified of the alteration and the Competent Authority confirms the certificate notwithstanding the alteration.

This Certificate Cancels all Previous Issues and is valid until 31 December 1995

COMPETENT AUTHORITY
IDENTIFICATION MARK:

GB/113/S-85

UNITED KINGDOM'S COMPETENT
AUTHORITY FOR THE TRANSPORT
23 DEC 1992
OF RADIOACTIVE
MATERIALS

Transport Radiological Adviser
Department of Transport
2 Marsham Street
London SW1P 3EU

On behalf of the Secretary of State
for Transport and the Department of
the Environment for Northern Ireland

Model MC-1

SERIAL No. - M1407589

SHIPPER'S CERTIFICATION FOR RADIOACTIVE MATERIALS

Two completed and signed copies of this certification shall be handed to the carrier.

(Use block letters)

WARNING: Failure to comply in all respects with the applicable regulations of the Department of Transportation, 49-CFR, CAB 82 and, for international shipments, the IATA Restricted Articles Regulations may be a breach of the applicable law, subject to legal penalties. This certification shall in no circumstance be signed by an IATA Cargo Agent or a consolidator for international shipments.

This shipment is within the limitations prescribed for: (mark one)

☐ passenger aircraft and contains radioactive material intended for use in, or incident to, research, or medical diagnosis or treatment.

☒ cargo-only aircraft.

NATURE AND QUANTITY OF CONTENT

PACKAGE

PROPER SHIPPING NAME	RADIOISOTOPE	GROUP	FORM	ACTIVITY		CATEGORY	TRANSPORT INDEX	TYPE
FOR U.S. SHIPMENTS SEE SECTION 2, CAB 82 TARIFF 6-D	NAME OR SYMBOL OF PRINCIPAL RADIOACTIVE CONTENT	GROUP NUMBER OF GROUPS I TO VII	CHEMICAL FORM AND PHYSICAL STATE (GAS/LIQUID/SOLID), or SPECIAL FORM, or SPECIAL ENCAPSULATION	NUMBER OF CURIES or MILLI-CURIES	Number of Packages	I-WHITE or II-YELLOW or III-YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	INDUSTRIAL or TYPE A, or TYPE B
RADIOACTIVE MATERIAL, SPECIAL FORM, N.O.S., NA9182 CARGO-ONLY AIRCRAFT <i>RS</i> IATA ARTICLE 2641	Cs-137 Am-241/Be	III I IN SPECIAL FORM	SPECIAL FORM	10mCi 50mCi		II YELLOW	0.1	TYPE A

ADDITIONAL INFORMATION REQUIRED FOR FISSILE MATERIALS ONLY

EXEMPTED FROM THE ADDITIONAL REQUIREMENTS FOR FISSILE MATERIALS

SPECIFIED IN 7.1 OF PARTS 2 OF THE IATA RESTRICTED ARTICLES REGULATIONS ☐

NAMES, PLUS QUANTITY IN GRAMS, OR CONCENTRATION OR ENRICHMENT IN U235:

 NOT EXEMPTED: FISSILE CLASS I ☐ FISSILE CLASS II ☐ FISSILE CLASS III ☐

Additional certificates obtained by the Shipper when necessary:

Special Form Encapsulation Certificate(s) ☒Certificate(s) for Large Radioactive Source ☐Type "B" Packaging Certificate(s) ☐Government Approvals/Permits ☐Certificate(s) for Fissile Material ☐

Special Handling Information

NA9182 CLASS 7 RADIOACTIVE MATERIALS CATEGORY II LABELS AND CARGO ONLY AIRCRAFT LABELS

I hereby certify that the contents of this consignment are fully and accurately described above by Proper Shipping Name and are classified, packed, marked, labelled and in proper condition for carriage by air according to applicable national governmental regulations, and for International Shipments the current IATA Restricted Articles Regulations.

Name and full address of Shipper

Richard K. So

Name and title of person signing Certification

135 CME ST.

Honolulu

Date

Oct. 22, 1996

Signature of the Shipper (see WARNING above)

Richard K. So

Air Waybill No.

Airport of Departure

Airport of Destination

Always on the top

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813

JEREMY HARRIS
MAYOR



KENNETH E. SPRAGUE
DIRECTOR AND CHIEF ENGINEER

IN REPLY REFER TO:

OCT. 22, 1996

Shipping Date

Bill of Lading

Shipper:

City and County of Honolulu
Department of Public Works
Division of Engineering
Material Testing Lab
135 Ohe Street
Honolulu, Hawaii 96813
Telephone: 523-4428

One case, R.Q., Radioactive Material,
Special Form, NOS, UN2974, USA DOT 7A, Type A Package, containing:
10 mCi Cs-137
50 mCi Am-241/Be
YELLOW II LABEL
Transport Index 0.1

***** Emergency Contact:

- (1) State Civil Defense 734-2161
- (2) State Department of Health 548-3076 or
548-3075

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

A handwritten signature in dark ink, appearing to read "Richard KSO", is written over a horizontal line.

Shipper

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK F. FASI
MAYOR

Kenneth E. Sprague
Acting DIRECTOR AND CHIEF ENGINEER
DEPUTY DIRECTOR
IN REPLY REFER TO:

SHIPPERS DECLARATION FOR RADIOACTIVE MATERIALS

SHIPPING DATE: <u>OCT. 22, 1996</u>	
DRIVER'S NAME: <u>FEDEX</u>	
DESTINATION: <u>BOART LONGYEAR/CPN, 2830 HOWE RD. MARTINEZ, CA.</u>	
STORAGE FACILITY ADDRESS:	Division of Engineering Material Testing Lab 135 Ohe Street Honolulu, Hawaii 96813
NATURE AND QUANTITY OF CONTENT	
Gauge Manufacturer: CPN	
Gauge Model: MC-1	
Gauge Serial Number: M-140-755-39	
Proper Shipping Name:	Radioactive Material, Special Form, N.O.S.
Identification Number:	UN 2974
Physical and Chemical Form:	Special Form
Name of Radionuclide:	Cesium 137 Americium 241:Beryllium
Activity:	10 mCi 50 mCi
Type of Packaging:	DOT Specification 7A Type A
Category of Label:	"RADIOACTIVE - YELLOW II"
Transport Index(T.I.):	0.1

EMERGENCY RESPONSE: Please see attachments of Emergency Procedures.

NUCLEAR GAUGE OPERATION

EMERGENCY PROCEDURES

1. Theft Or Loss of Nuclear Gauge

The following procedure shall be used in emergencies involving the theft or loss of a nuclear gauge.

A. The Gauge Operator shall:

1. Notify the Service Engineer at 527-6303 (Weston Wataru) and the Radiation Safety Officer (RSO) at 523-4428 (Richard So). If unable to contact the RSO, the Gauge Operator shall notify all appropriate personnel under Subsection 1 B.
2. Notify the Honolulu Police Department.

B. The RSO shall:

1. Notify the State Civil Defense:
Oahu 734-2161
2. Notify the State Health Department, if during working hours:
Oahu ~~548-3075~~ ⁵⁸⁶⁻⁴⁷⁰⁰ (Noise & Radiation Branch)
-3076

C. The RSO shall notify the Nuclear Regulatory Commission.

2. Fire

For fire emergencies involving the nuclear gauge storage facility, the authorized personnel on the scene shall:

- A. Notify the Honolulu Fire Department immediately. The caller shall assure that the fire crew is informed of:
 1. The involvement of a sealed radioactive source, and
 2. The location of the radioactive source.
- B. Notify the RSO or appropriate personnel listed in Subsection 1 B.

3. Damage of Nuclear Gauge - Source Area Visually Secured in Source Rod

A. Source Retractable

1. The Gauge Operator shall:
 - a. Place the source rod in the "SAFE" position.
 - b. If possible, lock the source rod.
 - c. Secure the nuclear gauge in the shipping container.
 - d. Notify the Service Engineer and the RSO.
 - e. Return the nuclear gauge to normal storage.

B. Source Unretractable.

1. The Gauge Operator shall:
 - a. Keep unauthorized personnel at least 10 feet away from the damaged nuclear gauge.
 - b. If possible, place the tip of the source rod into the ground (i.e. Direct Transmission).
 - c. Notify the Service Engineer and the RSO for appropriate action.
 - d. If possible, store the source rod in a lead-lined can (or a 5-gallon can fill with sand) specifically made to hold the source rod.
 - e. Return the nuclear gauge to normal storage.

4. Damage of Nuclear Gauge - Source Area Visually Damaged

A. The Gauge Operator shall:

1. Freeze the site. "Rope-off" the damaged site for 10 feet around. Stop the vehicle and have the driver walk away. Do not walk through the damaged site. If radioactive material is loose, it can be picked up and tracked elsewhere. Place "CAUTION-RADIATION AREA" signs around the roped-off area.
2. Notify the Service Engineer and the RSO. If unable to contact the RSO, the Gauge Operator shall notify all appropriate personnel under Subsection 1 B.

3. Notify the Honolulu Police Department if:
 - a. Crowd control is necessary, or
 - b. The emergency was caused by a collision of the nuclear gauge transport vehicle.
- B. The RSO shall notify all appropriate personnel under Subsection 1 B.
- C. The RSO shall notify the NRC Region V, 415-943-3700, and the manufacturer of the nuclear gauge CPN, 415-687-6472.

Boart Longyear Company
2830 Howe Road
Martinez, California 94553 USA
Telephone: (510) 228-9770
Fax: (510) 228-3183



RECEIVED
DIV. OF ENGINEERING
JUL 15 1996

BOART LONGYEAR
CPN

CERTIFICATE OF LEAK TEST

DPW - DIV. OF ENGINEERING
ATTN: RICHARD K. SO
650 SOUTH KING STREET
HONOLULU, HI 96813

Customer No: 8310900
Date Sample Collected: 06/28/96
Test Number: 17753

This is to certify that the leak test on the indicated source (s) was counted on 07/10/96 and the results shown accurately represent the level of removable contamination.

Model: MC-1

Gauge / source
Serial Number: M14075539

<u>Source</u>	<u>Activity</u>	* <u>Removable Contamination</u> <u>(in microCuries)</u>
AmBe 241	50 mCi	.0000027
Cs 137	10 mCi	.0000189

* 0.005 microcuries (185 Bq) or greater constitutes a leaking source.

This Source : May Remain in use.

Will Annister

Reviewed by: Leak Testing Quality Control

Boart Longyear Company
2830 Howe Road
Martinez, California 94553 USA
Phone: (510) 228-9770
Fax: (510) 228-3183

Fax Message



BOART LONGYEAR
CPN®

To:	Richard So	Page:	1 of 2
Company:	City and County of Honolulu	Fax No.:	808-523-4147
From:	Alison Dratva	Date Sent:	
Date:	October 7, 1996	Ref No.:	

If you do not receive all of the intended pages, please call 510-228-9770

Richard:

Please find attached a copy of your Request For Disposal Form with the Return Authorization Number at the top right hand corner. You are now okayed to ship you gauge back to us. We will not take any gauges C.O.D.. Any shipping costs are your responsibility as noted on the Request Form.

If you have any further questions, feel free to call me.

Sincerely,

Alison M. Dratva
Disposal Program

Boart Longyear Company
2830 Howe Road
Martinez, California 94553 USA
Telephone: (510) 228-9770
Fax: (510) 228-3183

BOART LONGYEAR

CPN 1150



Return Authorization No. 0070
City & Co. of Honolulu, DPW

REQUEST FOR NUCLEAR GAUGE DISPOSAL

Please carefully read this and the attached TERMS and CONDITIONS document, complete the bottom portion of this sheet, and fax to:

BOART LONGYEAR/CPN
FX: (510) 228-3183

We request that you also include a photo copy of this form with the nuclear gauge(s) that you are shipping to us. The cost to dispose of your Model MC-1 nuclear gauge will be \$1,100.00. Shipping costs to Martinez are your responsibility.

Please note that ownership of this gauge(s) will transfer to Boart Longyear/CPN upon our receipt and acceptance. We reserve the right to dispose of this gauge at a disposal site of our choice, depending on availability, or to recycle or re-use certain sources, or gauges as we deem appropriate.

City & County of Honolulu
Dept. of Public Works
Company Name Division of Engineering P.O. No. BX 0695
RSO Richard So
Address 650 South King Street, 15th Floor
City Honolulu State HI Zip 96813
PH# (808) 523-4428 FX# (808) 523-4147

Disposal requested on:

CPN	Manufacturer	Manufacturer	Manufacturer
MC - 1			
Model	Model	Model	Model
<u>M-140 755 39</u>			
Serial Number	Serial Number	Serial Number	Serial Number
<u>Am 241 - 50 MCi</u>			
Activity/Nuclide	Activity/Nuclide	Activity/Nuclide	Activity/Nuclide
<u>Cs 137 - 10 MCi</u>			
Activity/Nuclide	Activity/Nuclide	Activity/Nuclide	Activity/Nuclide

Main T. Flynn
Signature Chief, Division of Engineering

5/8/96
Date