

POGUE INDUSTRIES INCORPORATED

5200 Manchester
St. Louis, Mo. 63110

Radiation Safety and Control Program

10.3.F

Source Shipping/Receiving/Transfer/Disposal Procedure

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CONTROL NO. 7 9368

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SOURCE SHIPPING/RECEIVING/TRANSFER/DISPOSAL PROCEDURE

1.0 OBJECTIVE

- 1.1 The objective of this section is to assure the proper procedure is used to insure compliance with Federal, State and Company regulations which affect the transporting, shipping and receiving of radioactive material.

2.0 APPLICATION

- 2.1 PII personnel transporting, shipping and/or receiving of radioactive material outside the confines of the plant or other authorized location of use.

3.0 PROCEDURE

- 3.1 The Radioactive Material (source) Shipping-Receiving Instruction Procedure describes herein outlines the basic methods and practices used by PII to meet the objectives of the regulations.
- 3.2 This procedure is your guide for the proper procedure used and shall be available whenever you are shipping and/or receiving radioactive material.
- 3.3 This procedure is subject to modification or revision due to changes in Federal (DOT), State and/or Company requirements.
- 3.3.1 Procedure modifications or revisions shall be coordinated by the RSO.
- 3.3.2 The RSO is responsible for transmittal to modifications of revisions to all facilities.
- 3.3.3 The NDE Supervisor shall be responsible for maintaining this procedure on his project.

4.0 PROCUREMENT

- 4.1 The decision to procure replacement or additional sources rests with the PII NDE Supervisor. Sources shall be obtained by the manager only from suppliers and of a make, model and source strength listed on the byproduct material licenses issued by the Nuclear Regulatory Commission and Agreement States.

5.0 PACKAGING

- 5.1 Packaging of radioactive material shall be designated and selected to meet with all the requirements of the Department of Transportation (DOT).

6.0 PREPARATION FOR SHIPPING

- 6.1 A survey meter shall be used every time a person is required to work with or around radioactive material.

- 6.2 Inspection of radioactive exposure device.

6.2.1 Survey surface of device surface radiation levels.

6.2.2 Attach wire seal through safety plug, then to device.

6.2.3 Place exposure device in shipping container.

(a) Shipping container shall be DOT approved.

7.0 SHIPPING

- 7.1 The following instructions are mandatory to meet with the requirements of DOT and/or PII.

7.1.1 Affix address label on shipping container (remove or cover old label).

7.1.2 Thoroughly remove or obliterate Radioactive Yellow-Shipping Labels from previous shipment.

7.1.3 Complete Radioactive Yellow-II or III Labels and place on opposite sides of shipping container. Do not ship without two (2) Radioactive Yellow - II or III Labels on container. (See Figure 1 for type of Yellow Label used.)

"Radioactive Yellow-II" shall be used whenever those requirements can be met.

Information needed on labels is as follows:

Contents: Iridium 192 or Cobalt 60 (Iridium-Cobalt spelled out).

Number of Curies: Amount of curies of shipment.

Transport Index: The highest amount of radiation measured at 36" from any surface of the shipping container.

Example: If the meter reads 2 mr/hr at 36", place a 2 in box, if the meter reads 1 mr/hr, place 1 in the box, etc. Transport Index of more than 1 - DO NOT SHIP MATERIAL.

- 7.1.4 Container shall have affixed a "Danger Peligro Cargo Aircraft Only" label (for shipments by air).
- 7.1.5 Container shall have affixed a package certificate of approval.
- 7.1.6 Container shall be labeled with the basic description of the material. "Radioactive Material Special Form N.O.S."
- 7.1.7 Container shall be labeled with the type of package "Type B".

7.2 Shipped by Air

- 7.2.1 Complete Radioactive Material Transfer/Disposal Report (Figure 3).

NOTE: Place a copy in the shipping container.

- 7.2.2 Complete Air Bill (Federal Express Form - Figure 2), by completing the following:
 - (a) Consignee - Company's name and address to which material is to be shipped.
 - (b) Shipper - Company's name and address shipping material.
 - (c) Payment - Check Bill Shipper or Bill Consignee as applicable.
 - (d) Service
 - (1) Check "Priority One (P-1)"
 - (2) Check the "Deliver" box for hold for pick-up or delivery
 - (e) Pieces/Weight/Contents -
 - (1) Enter the number of packages (one).

- (2) Enter the weight of the package.
- (3) Enter the total number of packages (one).
- (4) Enter the total weight (same as Item 2).
Enter a description of contents (Radioactive Material).

7.2.3 Complete Shipper's Certification for Materials Classified As Radioactive Material (Federal Express Form - Figure 4), by completing the following:

- (a) Number of packages - Enter 1
- (b) Proper shipping name - Radioactive Material
Special Form N.O.S. - Cargo Only Aircraft
- (c) Radionuclide - 192 IR - 60 Co
- (d) Form - Special Form
- (e) Activity - Number of curies in shipment. Same
as recorded on shipping container (Yellow Labels).
- (f) Label Type - Yellow III or Yellow II

NOTE: "YELLOW II" Labels do not require vehicle placards for shipment by highway. Yellow II shall be used whenever the surface reading is under 50 mrem/hr and the reading at 3 feet is not over 1.0 mrem/hr. (See Figure 1.)

- (g) Transport Index - same as recorded on containers - Yellow Labels. (See Paragraph 3.1.3 for procedure used to determine transport index.)
- (h) Volume or weight - one.
- (i) Check cargo - only aircraft.
- (j) Name and address of Shipper - Jobsite or location shipping material.
- (k) Name and Title of Person Signing Certification-
Only those individuals qualified to handle Radioactive Material shall prepare and sign shipments. Qualified individuals are Radiation Safety Monitors and Radiographers.

(l) Emergency Phone. No. (314) 892-4934

(m) Date - Date Shipped.

(n) Distribution

White - Package Copy
Canary - Customer Service
Pink - Shipper Copy

7.3 Shipped by Truck

7.3.1 Complete Radioactive Material Transfer/Disposal Report (Figure 3) NOTE: Place a copy in the shipping container.

7.3.2 Complete waybill (Trucking Bill of Lading) as follows:

- (a) Consignee - Company's name and address in which material is to be shipped.
- (b) Shipper - Company's name and address shipping material.
- (c) Description as follows:

Iridium 192 _____ curies of Cobald 60 _____ curies.

Radioactive Material Special Form N.O.S.
Yellow Label III of Yellow Label II.

NOTE: "Radioactive Yellow II" Labels do not require vehicle placards for shipment by highway. Yellow II shall be used whenever the surface reading is under 50 mrem/hr., and the reading at 3 feet is not over 1.0 mrem/hr. (See figure 1.)

Transport Index - Same as recorded on containers - Yellow Labels. (See Paragraph 3.1.1 for procedure used to determine transport index.)

Shippers Certification statement must be present on all waybills as follows:

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

- (d) Number of Packages - 1
- (e) Weight - Number of pounds being shipped.
- (f) Class or rate - 40 cents/lbs min.

Radioactive Material NOIVNX 40 cents/lb. should be written in the description and content box (Area 3).

- 7.3.3 Check to see you have completed Items 3.1 through 3.3.
- 7.3.4 Attach ring seal to locking device bolt of clip (on ring) of shipping container.
- 7.3.5 All sources shipped for disposal should be sent to the original supplier, unless otherwise specified by the RSO.
- 7.3.6 Included with each shipment will be the necessary items for that shipment, as well as for the return of shipping container and/or container with radioactive material being returned for disposal.
 - (a) Two (2) wire seals;
 - (b) Two (2) Yellow III Labels and/or Yellow Labels to be used);
 - (c) Airbill (Federal Express) or Truck Waybill;
 - (d) Shipping instructions;
 - (e) Decay chart for new shipment;
 - (f) Radioactive Material Transfer/Disposal Report (2) Figure 3.

7.4 Shipped by Company Vehicle To and From Job Sites

7.4.1 Preparation for shipping

- 7.4.1.1 A survey meter shall be used every time a person is required to work with or around radioactive material.
- 7.4.1.2 Inspect the exposure device per Form RSC 21. NOTE: No device shall have a reading in excess of 200 mr/hr.

7.4.1.3 Place the exposure device in a Type B shipping container. NOTE: It is not necessary to place exposure devices with Type B approval in another Type B shipping drum.

7.4.1.4 Shipping container shall have affixed, two (2) Yellow II Labels. Information required on labels are as follows:

Contents Iridium 192 (or Cobalt 60)

Number of Curies 110 maximum

Transport Index: Not over 1

NOTE: DO NOT transport index is over 1.
(Additional shielding will be required)

7.4.1.5 Seal and lock shipping container.

7.4.2 Preparation of shipping document.

7.4.2.1 Form RSC 14 Shall serve as the radioactive materials shipping documented for shipment by company vehicles. This form has been designed to fulfill the requirements of the Department of Transportation.

7.4.2.2 Shipper and Consignee - The Lab/Project address shall be entered in spaces provided.

7.4.2.3 Date - Enter date the radioactive material is transported.

7.4.2.4 Jobsite Location - enter the field site address where the radioactive material is to be used.

7.4.2.5 Exposure device S/N - enter the serial number of the device.

7.4.2.6 Number of Curies - enter the number of curies as of the day being transported.

7.4.2.7 Surface mr/hr of container and mr/hr at 36" - enter the highest surface reading of the

shipping container and enter the reading at 36" from the container (which is the transport index).

7.4.2.8. Description of pieces and contents - identify the material being shipped by circling either Iridium 192 or Cobalt 60.

7.4.2.9 Signature of radiographer completing form will sign their name in the column provided.

8.0 RECEIVING

8.1 Picking up shipment - Each licensee who picks up shipment from a carrier's terminal shall do so expeditiously upon receipt of notification. The shipment shall be monitored as soon as practical after receipt, but no later than three hours after the package is received during normal working hours, or 18 hours if received after normal working hours.

8.2 If radiation levels are found on external surfaces of container in excess of 200 mr/hr, or at three feet from external surface in excess of 10 mr/hr, the individual shall immediately notify the Radiation Safety Officer (RSO) at (314) 892-4934.

8.3 Receipt of sources shall be documented on RSC 10 (Radioactive Material Receipt Report), Figure 5 and a copy forwarded to the RSO.

8.4 Receipt of a source from another PII facility on a permanent or temporary basis shall be documented in the same manner as required for receipt of a new source from an approval supplier.

9.0 ENFORCEMENT OF REQUIREMENTS

9.1 It shall be the responsibility of the Lab/Project NDE Supervisor and/or Radiation Safety Officer to enforce the requirements of this procedure.

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SHIPPING LABELS

Figure 1

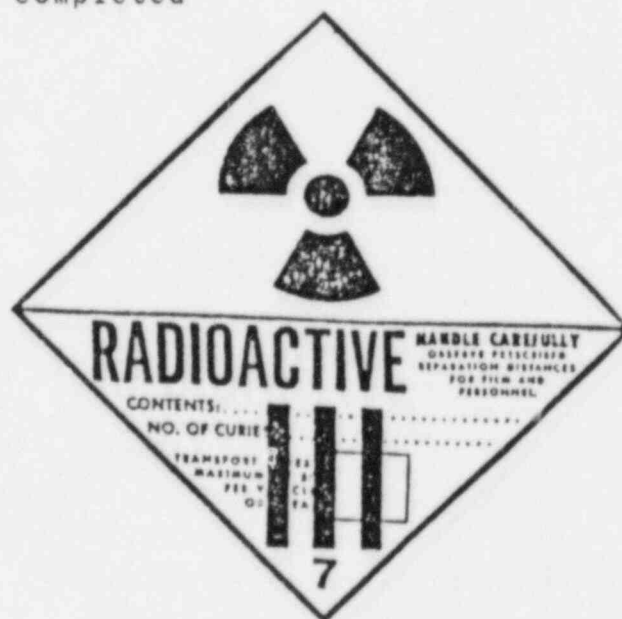
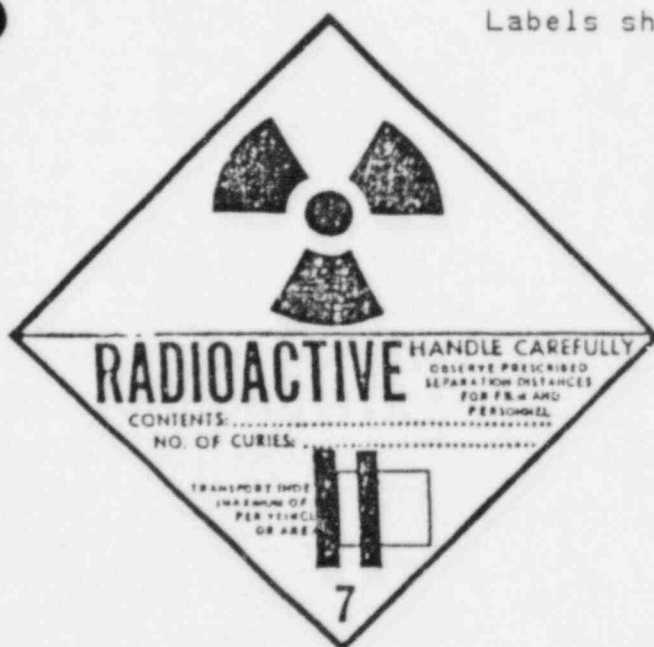
* "RADIOACTIVE YELLOW-II"

0.5 to 50 mrem/hr on the surface.
Not over 1.0 mrem/hr at 3 ft.

** "RADIOACTIVE YELLOW-III"

50 mrem/hr on surface but < 200
1.0 mrem/hr at 3 ft but < 10.

Labels shall be completed



* "Radioactive Yellow-II" -- Does not require vehicle placards for shipment by highway. Yellow-II shall be used whenever the surface mrem/hr can be met.

** "Radioactive Yellow III" -- Requires vehicle placards on all four sides.

FIGURE 2

Shipped by Air Paragraph 3.2.2

[illegible]

OR THIS FORM.

[illegible]

POGUE INDUSTRIES INCORPORATED

RADIATION SAFETY AND CONTROL PROGRAM RADIOACTIVE MATERIAL TRANSFER/DISPOSAL REPORT

LAB/PROJECT _____ DATE _____

ISOTOPE _____ CAPSULE S/N _____ CURIES _____

EXPOSURE DEVICE

MAKE _____ MODEL _____ DATE _____

TRANSFERRED FROM _____ TO _____

SOURCE CHANGER

MAKE _____ MODEL _____ S/N _____

REASON FOR TRANSFER:

SOURCE DISPOSAL	MALFUNCTIONING OR DAMAGED	SALE OR LOAN TO OTHER AUTHORIZED LICENSEE
-----------------	------------------------------	--

LIST ANY MECHANICAL DEFECTS OR MALFUNCTIONS _____

SHIPMENT PREPARED BY _____ AUTHORIZED BY _____

SHIPPING CONTAINER

Container shall be a Type B designed to meet with the requirements of DOT.

- | | |
|--|---------------------------------|
| 1. Shipping Container S/N _____ | 6. Label with "Radioactive |
| 2. Condition of Shipping Container _____ | Material Special Form N.O.S. |
| 3. Danger Peligo Cargo Aircraft Only | 7. Labeled with "Type B" _____ |
| Label Affixed _____ | 8. Shipping Label Affixed _____ |
| 4. Package Certification or approval Affixed _____ | 9. Radioactive Yellow Labels |
| 5. Labeled with Package Certificate | Affixed _____ |
| (Model or Identification No. _____) | Type of Label: Yellow II |
| | Yellow III |

SURVEY OF MATERIAL PRIOR TO SHIPMENT

SURFACE OF EXPOSURE DEVICE _____ MR/HR AT 36" _____ MR/HR

SURFACE OF CONTAINER _____ MR/HR AT 36" _____ MR/HR

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FIGURE 4

Shipped by Air

FEDERAL EXPRESS CORPORATION

SHIPPER'S CERTIFICATION FOR MATERIALS CLASSIFIED AS RADIOACTIVE MATERIAL

NUMBER OF PACKAGES	PROPER SHIPPING NAME <small>Per Section 173.401, Title 49, Code of Federal Regulations (49 CFR). No abbreviations permitted. Specify each article separately.</small>	RADIOISOTOPE <small>Name of principal radioactive isotope. (49 CFR 173.380)</small>	FORM <small>Physical Chemical</small>	ACTIVITY <small>Number of Curies</small>	LABEL <small>When 1 of Tables I or Table II, Per Table II</small>	TRANSPORT INDEX <small>Per Table II, Table II, Table II</small>	VOLUME OR WEIGHT <small>(in appropriate units)</small>
1	Radioactive Material Special Form N.O.S. Cargo Only Aircraft	192 Ir	Special Form				One

This is to certify that the above named materials are properly described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the carrier and Title 49, Code of Federal Regulations. It is also to be certified that the shipment is intended for use in or vicinity of research or medical diagnosis or treatment. This certification is valid only when the shipment is accompanied by a "Radioactive Material" label.

- ☐ BOTH PASSENGER AND CARGO AIRCRAFT
☒ CARGO ONLY AIRCRAFT

SAMPLE

NAME AND ADDRESS OF SHIPPER

NAME AND TITLE OF PERSON SIGNED CERTIFICATION

 SIGNATURE _____
 EMERGENCY PHONE NO. _____
 DATE _____

DISTRIBUTION
 Office - Passenger Cases
 Carrier - Customer Representative
 Free - Shipper Cases

NO. 500000 Rev. 5/74

Shipped by Truck

UNIFORM STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE - NON-RECEIPT

Paragraph 3.1.2

FORM NO. 3 REV. 11/74

TO		FROM		DATE	
CONSIGNEE		SHIPPER			
STREET		STREET			
CITY AND STATE		CITY AND STATE			
NO. 1	COBALT 60 50 Curies Radioactive Material (Special) Form N.O.S. (3) Yellow Label III Transport Index 2 Radioactive Material NOT YNS 400 lbs	1400 LB	400 lbs min		
TOTAL		COD 1000			
CHARGES		TOTAL			
NET		DATE		NO. OF PACKAGES	
SHIPPER'S ADDRESS		DATE		NO. OF PACKAGES	

SAMPLE

POGUE INDUSTRIES INCORPORATED

RADIATION SAFETY AND CONTROL PROGRAM

RAIOACTIVE MATERIAL RECEIPT REPORT

LAB/PROJECT _____ DATE _____

ISOTOPE _____ CAPSULE NO. _____ CURIES _____

RECEIVED FROM _____

SOURCE CHANGER

MAKE _____ MODEL _____ CURIES _____

(Note: When received in changer perform leak test and complete leak test report.)

Installed in camera: MAKE _____ MODEL _____ S/N _____

SURVEY OF MATERIAL AS RECEIVED

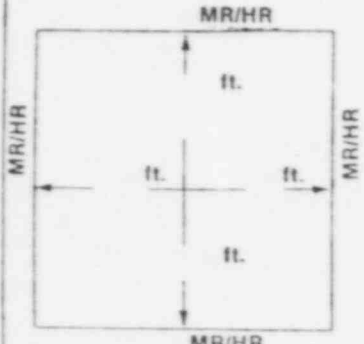
SURFACE OF CONTAINER _____ MR/HR. AT 36" _____ MR/HR.

SURFACE OF EXPOSURE DEVICE _____ MR/HR. AT 36" _____ MR/HR.

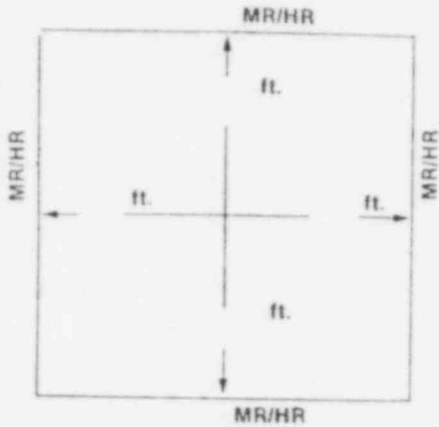
REMARKS:

SHIPMENT RECEIVED BY _____

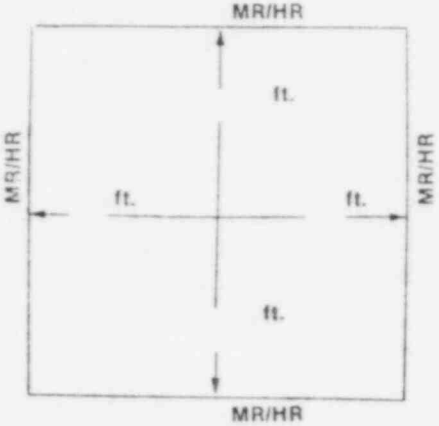
POGUE INDUSTRIES INCORPORATED FORM RSC 14
RADIATION SAFETY SURVEY REPORT AND SHIPPING DOCUMENT (FIELD GAMMA)

CUSTOMER: _____		DATE: _____		
JOB LOCATION: _____				
TECHNICIAN	FILM BADGE TLD. NO.	DOSIMETER NUMBER	READING START	READING STOP
SOURCE MATERIAL: _____ S/N _____				
EXPOSURE DEVICE MODEL _____ S/N _____				
DAILY MAINTENANCE INSPECTION				
<input type="checkbox"/> ACCEPTABLE REMARKS: _____ <input type="checkbox"/> UNACCEPTABLE _____				
SURVEY METER				
MAKE _____ MODEL _____ S/N _____				
DATE CALIBRATED _____				
EXPOSURE DEVICE SURVEY WHEN REMOVED FROM STORAGE				
MR/HR @ SURFACE OF DEVICE _____		MR/HR @ PORT _____		
EXPOSURE DEVICE SURVEY AT CONCLUSION OF LAST RADIOGRAPHIC EXPOSURE				
MR/HR @ SURFACE OF DEVICE _____		MR/HR @ PORT _____		
EXPOSURE DEVICE SURVEY WHEN RETURNED TO STORAGE				
MR/HR @ SURFACE OF DEVICE _____		MR/HR @ PORT _____		
AREA RADIATION SURVEY				
		COMMENTS: _____ _____ _____ _____ _____		

AREA RADIATION SURVEY



COMMENTS: _____



COMMENTS: _____

RADIOACTIVE MATERIALS SHIPPING DOCUMENT

COMPANY VEHICLES

☐ RADIOACTIVE MATERIALS WERE NOT TRANSPORTED

SHIPPER: _____	CONSIGNEE: _____
----------------	------------------

NUMBER OF CURIES: _____

MR/HR @ SURFACE OF SHIPPING CONTAINER: _____

MR/HR @ 36": _____

VEHICLE SURVEY: MR/HR @ OUTSIDE SURFACES _____

MR/HR @ DRIVER'S SEAT _____

DESCRIPTION OF CONTENTS

CONTENTS: IRIDIUM 192 COBALT 60 (CIRCLE ONE)

110 CURIES MAXIMUM

RADIOACTIVE MATERIAL SPECIAL FORM N.O.S. UN2974
TRANSPORT INDEX: NOT OVER 1

NOTE: DO NOT TRANSPORT IF SURFACE OF CONTAINER IS OVER 50 MREM/HR AND/OR OVER 1.0 MREM/HR @ 36"

(ADDITIONAL SHIELDING SHALL BE REQUIRED TO MEET SHIPPING REQUIREMENTS OF RADIOACTIVE YELLOW II LABEL.)

TYPE B SHIPPING CONTAINER INSPECTION

S/N _____ ACCEPTABLE ☐

CERT. NO. _____ UNACCEPTABLE ☐

CERTIFYING STATEMENTS AND SIGNATURE

THIS IS TO CERTIFY THAT THE ABOVE NAMED ARTICLES ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THAT ALL RADIOGRAPHIC PROCEDURES AND PRECAUTIONS REQUIRED BY POGUE INDUSTRIES INCORPORATED RADIATION SAFETY AND CONTROL PROGRAM SECTION 10.4.8 OPERATING AND EMERGENCY PROCEDURES WERE OBSERVED. THE PERIMETER OF THE SOURCE STORAGE AREA WAS SURVEYED PRIOR TO REMOVING THE EXPOSURE DEVICE FROM STORAGE AND IMMEDIATELY AFTER RETURNING THE EXPOSURE DEVICE TO STORAGE. THE MAXIMUM RADIATION LEVEL WAS NOT IN EXCESS OF 2MR/HR.

SIGNED _____

INSTRUCTIONS (SURVEY REPORT)

1. THIS FORM IS TO BE COMPLETED FOR EACH DAY OR JOB. THIS INCLUDES PERIODS THE EXPOSURE DEVICE IS REMOVED FROM STORAGE, BUT IS NOT USED TO PERFORM RADIOGRAPHY.
2. CUSTOMER - SELF EXPLANATORY
3. DATE - SELF EXPLANATORY
4. JOB LOCATION - SELF EXPLANATORY
5. TECHNICIAN - RADIOGRAPHER, ASSN'T RADIOGRAPHER AND OTHER MONITORED INDIVIDUALS NAMES.
6. FILM BADGE/TLD NO. - SELF EXPLANATORY
7. DOSIMETER NO. - SERIAL NUMBER OF YOUR DOSIMETER
8. DOSIMETER READING START-DOSIMETER READING AT START OF EACH DAY OR JOB. DOSIMETERS ARE TO BE ZEROED AT THE BEGINNING OF EACH DAY OR JOB.
9. DOSIMETER READING STOP - DOSIMETER READING AT THE END OF EACH DAY OR JOB.
10. SOURCE MATERIAL AND S/N - RECORD THE TYPE OF BYPRODUCT MATERIAL (IR 192, CO 60) AND THE SERIAL NUMBER OF THE CAPSULE.
11. EXPOSURE DEVICE MODEL AND S/N - SELF EXPLANATORY.
12. DAILY MAINTENANCE INSPECTION - PERFORM THE DAILY MAINTENANCE INSPECTION AS BY SECTION 10.4.B NOTE THE CONDITION AS ACCEPTABLE OR UNACCEPTABLE. IF UNACCEPTABLE, THE ITEM SHOULD BE NOTED IN THE REMARKS COLUMN AND BROUGHT TO THE RADIATION SAFETY MONITORS ATTENTION. DO NOT USE THE EXPOSURE DEVICE UNTIL IT IS REPAIRED.
13. SURVEY METER MODEL, S/N, AND DATE CALIBRATED - RECORD THE MODEL OF THE SURVEY METER USED, THE SERIAL NUMBER, AND THE DATE THE SURVEY METER WAS CALIBRATED.
14. EXPOSURE DEVICE SURVEY WHEN REMOVED FROM STORAGE - RECORD THE HIGHEST READING IN MR/HR AT THE SURFACE OF THE DEVICE AND AT THE PORT.
15. EXPOSURE DEVICE SURVEY AT CONCLUSION OF LAST RADIOGRAPHIC EXPOSURE - RECORD THE HIGHEST READING IN MR/HR AT THE SURFACE OF THE DEVICE AND AT THE PORT. SURVEYS OF THE EXPOSURE DEVICE ARE PERFORMED EACH TIME THE SOURCE IS RETURNED TO THE SHIELDED POSITION AS DESCRIBED BY PROCEDURE 10.4.13 PARAGRAPH 8.1.5. THE SURVEY AT THE CONCLUSION OF THE LAST RADIOGRAPHIC EXPOSURE IS RECORDED.
16. EXPOSURE DEVICE SURVEY WHEN RETURNED TO STORAGE - RECORD THE HIGHEST READING IN MR/HR AT THE SURFACE OF THE DEVICE AND AT THE PORT. THE READINGS SHOULD BE THE SAME AS WHEN REMOVED FROM STORAGE. IF NOT, IT SHOULD BE SUSPECTED THE SOURCE IS NOT IN THE SAFE POSITION.
17. AREA RADIATION SURVEY - RECORD THE DISTANCES AND READINGS. WHEN THE GEOMETRY CHANGES MORE THAN 3 TIMES, ADDITIONAL REPORTS ARE TO BE USED.

INSTRUCTIONS (SHIPPING REPORT)

THIS RADIOACTIVE MATERIAL SHIPPING DOCUMENT IS DESIGNED TO FULFILL D.O.T. REQUIREMENTS. THIS FORM IS ORIENTED TOWARD COMPANY VEHICLES TRANSPORTING RADIOACTIVE MATERIAL TO FIELD SITES.

1. IF RADIOACTIVE MATERIALS WERE NOT TRANSPORTED, CHECK BOX "RADIOACTIVE MATERIALS WERE NOT TRANSPORTED".
2. SHIPPER AND COSIGNEE - ENTER THE NUMBER OF CURIES AS OF THE DAY BEING TRANSPORTED.
4. MR/HR @ SURFACE OF SHIPPING CONTAINER AND MR/HR @ 36". ENTER THE HIGHEST READING AT THE SURFACE OF THE SHIPPING CONTAINER AND THE HIGHEST READING @ 36" FROM THE CONTAINER, THE READING AT 36" IS THE TRANSPORT INDEX.
5. VEHICLE SURVEY - ENTER THE HIGHEST READING AT THE SURFACE OF THE VEHICLE AND THE HIGHEST READING AT THE DRIVER'S SEAT. NO RADIATION LEVEL IS TO EXCEED 2 MR/HR @ THESE AREAS.
6. CONTENTS - CIRCLE CONTENTS. IRIIDIUM 192 OR COBALT 60.
7. TYPE B SHIPPING CONTAINER INSPECTION - ENTER THE SERIAL NUMBER, CERTIFICATION NUMBER AND NOTE THE CONDITION OF THE SHIPPING CONTAINER.
8. PREPARATION FOR SHIPPING
 - A. PLACE EXPOSURE DEVICE IN SHIPPING CONTAINER
 - B. SHIPPING CONTAINER SHALL HAVE AFFIXED AN ADDRESS LABEL. (SAME AS USED FOR SHIPPER AND CONSIGNEE)
 - C. SHIPPING CONTAINER SHALL HAVE AFFIXED, TWO "YELLOW II" LABELS. INFORMATION REQUIRED ON LABELS ARE AS FOLLOWS:

CONTENTS (SPELL OUT IRIIDIUM 192 OR COBALT 60) TRANSPORT INDEX - NOT OVER 1.

NOTE: DO NOT TRANSPORT IF TRANSPORT INDEX IS OVER 1 (1.0 MREM/HR @ 36") OR SURFACE READING IS OVER 50 MREM/HR. ADDITIONAL SHIELDING WILL BE REQUIRED.
9. CERTIFYING STATEMENTS AND SIGNATURE - SIGNING THIS DOCUMENT - VALIDATES THE STATEMENT TO INDICATE ALL APPLICABLE REGULATIONS, PROCEDURES WERE ADHERED TO IN THE PERFORMANCE OF RADIOGRAPHY AND THE PREPARATION OF THE SHIPPING PACKAGE.

POGUE INDUSTRIES INCORPORATED

RADIATION SAFETY AND CONTROL PROGRAM

RADIOGRAPHIC EQUIPMENT - DAILY INSPECTION & MAINTENANCE LIST

Each radiographic exposure device and accessory must be inspected before each use. This inspection must be done when removing the item from the storage area. Equipment found to be unsatisfactory shall be reported to the radiation safety monitor and/or lab/project manager. Defective equipment shall be removed from service and repaired before use.

REMOTE TYPE GAMMA EXPOSURE DEVICE

UNIT - General exterior condition

Handle and feet identification
decals

Source tube and drive cable tube
connection

Locking mechanism

Source connector

SOURCE TUBES - General exterior condition

Source tube to unit connection

Source tube to source tip connection

Source tube to tube connections

Source tip

CONTROLS - General exterior condition

Crank handle and drive mechanism

Drive cable to unit connection

Drive cable and cable tubes

Source connection

FIXTURES

PIPELINER TYPE EXPOSURE DEVICE

UNIT - Handle and identification decals

Locking Mechanism

FIXTURES

CONTROLS - Remote Control Cable (when used)

Remote Control Cable to Control
Adapter Plate Connection

X-RAY EQUIPMENT

X-RAY TUBE - General exterior condition

Power Cord Connector

Label

CONTROL PANEL - General Exterior Condition

Power Cord Connectors

Meters

✓ On-Off Controls

POWER AND CONTROL CABLES - Insulation Connectors

FIXTURES