



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0297/S-96, REVISION 9

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Industrial Nuclear Company, Inc. Model A Source Capsule.
2. Source Description - Cylindrical single encapsulation made of Type 304 stainless steel and seal welded. Approximate external dimensions are 6.35 mm (0.25 in.) in diameter and 22.73 mm (0.9 in.) in length. Construction shall be in accordance with attached Industrial Nuclear Co., Inc. Drawing Nos. P34, Rev. 3; P35, Rev. 5; and P35A, Rev. 0.
3. Radioactive Contents - No more than 7.4 TBq (200.0 Ci) of Iridium-192 in the form of metallic pellets.
4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on June 30, 2028. Previous editions which have not reached their expiration date may continue to be used.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the June 5, 2023 petition by Industrial Nuclear Company, Inc., San Leandro, CA, and in consideration of other information on file in this Office.

Certified By:



 William Schoonover
Associate Administrator for Hazardous
Materials Safety

June 27, 2023

(DATE)

Revision 9 - Issued to extend the expiration date.

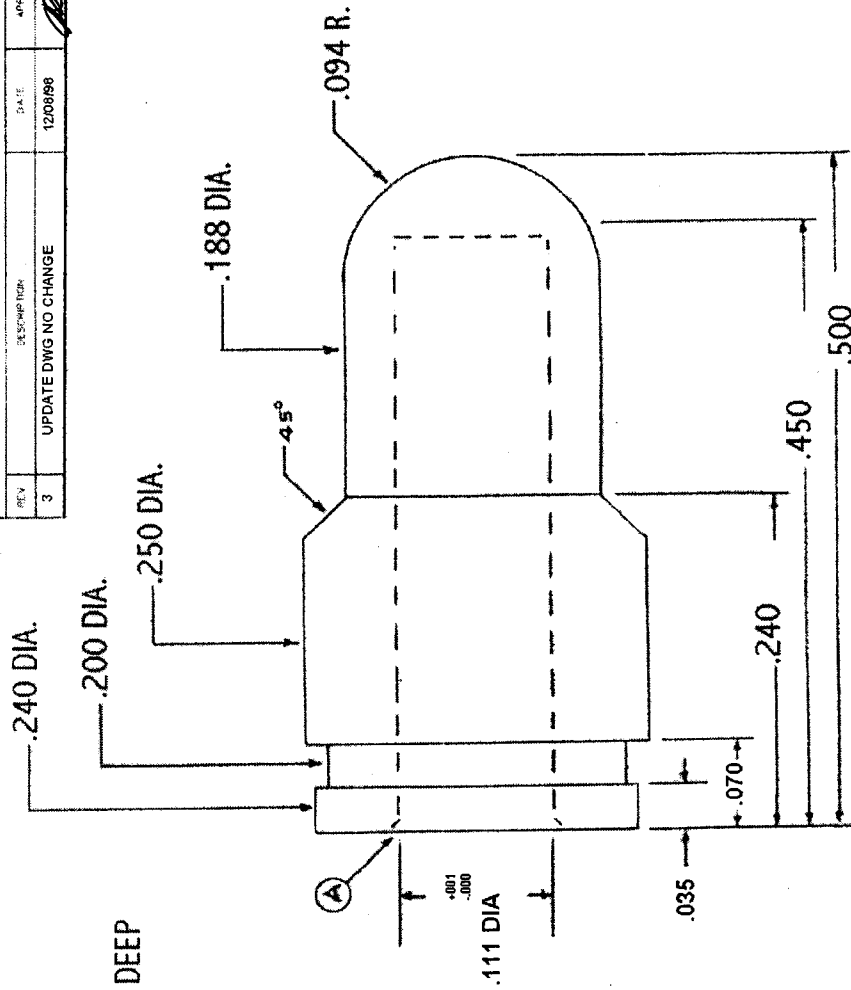
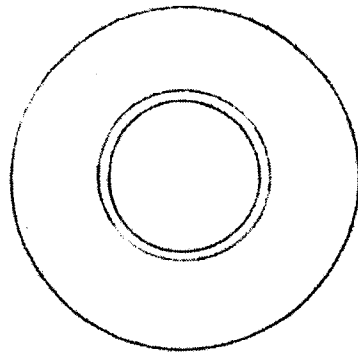
DWG NO. P 34

REV 3

REVIEWS

REV	DESCRIPTION	DATE	APPROVED
3	UPDATE DWG NO CHANGE	12/08/98	<i>[Signature]</i>

NOTE A COUNTERBORE 45 X .020 DEEP



1		P 34		CAPSULE FOR MODEL A SOURCE		ASTM A276	
CITY		FSCM NO.		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION	
STATE		COUNTRY		CONTRACT NO.		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE DECIMALS FRACTIONS ANGLES		304 S.S.		MATERIAL		INDUSTRIAL NUCLEAR CO., INC.	
304 S.S.		16		304 S.S.		SOURCE CAPSULE	
FINISH		USED ON		APPROVALS		DATE	
NEXT ASSY		USED ON		DESIGN: M. ROSE		12/08/98	
APPLICATION		DO NOT SCALE DRAWING		CHECKED: <i>[Signature]</i>		12/08/98	
SCALE: NONE		SHEET: 1 OF 1		SIZE: FSCM NO.		DWG. NO. P 34	
REV 3		REV 3		REV 3		REV 3	

DWG NO P35A

SH 1

REV

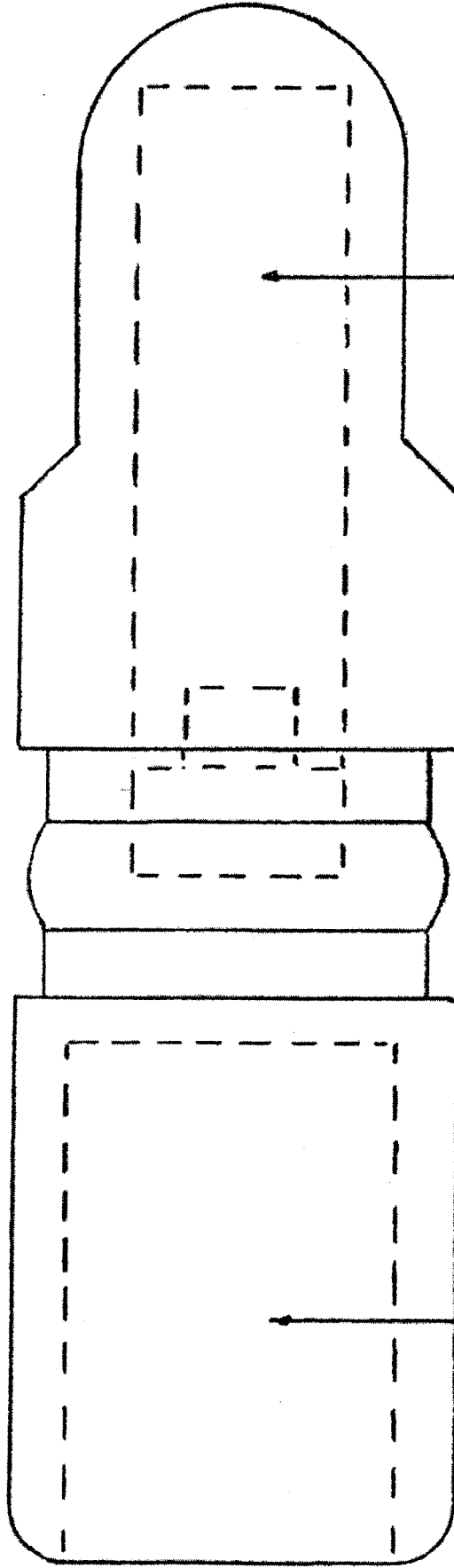
REVISIONS

REV.

DESCRIPTION

DATE

APPROVED



Cable Connection

Helicarc Weld Closure

IR-192 Cavity

APPLICATION: Used exclusively for Pigtail Models
1,2,3,4,5,6,7,8,9,10,22,32,33,88

MAXIMUM CONTENTS: 200 Ci IR-192

SAFETY CLASSIFICATION

ITS ☐ CAT A ☐

B ☐

C ☐

NITS ☒

NET ASBY

USED ON

APPLICATION

DO NOT SCALE DRAWING

SOURCE CAPSULE MODEL A

ASTM A276

WATERL

CONTRACT NO.

DATE

APPROVALS

DRAWN

DATE

APPROVED

SCALE: NONE

SHEET: 1 OF 1

INDUSTRIAL NUCLEAR CO., INC

SOURCE CAPSULE

SIZE FSQM NO.

DWG. NO. P35A

REV. 0



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CERTIFICATE NUMBER: USA/0297/S-96

ORIGINAL REGISTRANT(S) :

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San Leandro, CA, 94577
USA

AIT Inspections (American Industrial Testing)
5101 Wilfong Road
Memphis, TN, 38134
USA

Bonded Inspections Incorporated
3840 Marquis Street
Garland, TX, 75042
USA

Western Industrial X-Ray
1707 Enterprise Drive
Unit J
P.O. Box 238
Fairfield, CA, 94533
USA

Western X-Ray Company
P.O. Box 785
Seiling, OK, 73663
USA

Edge Inspection Group
4576 East Second Street
Suite C
Benicia, CA, 94510
USA

Duke Energy Corporation
526 South Church Street
Charlotte, NC, 28202-1802

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5518 Force Four Parkway
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Parker Hannifin
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Industrial Inspection and Analysis
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