



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 8

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 July 31, 2023. 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 27, 2013 petition by Industrial Nuclear Company, Inc., San Leandro, CA, and in consideration of other information on file in this Office.

Certified By:



July 30, 2018

(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 8 - Issued to extend the expiration date.

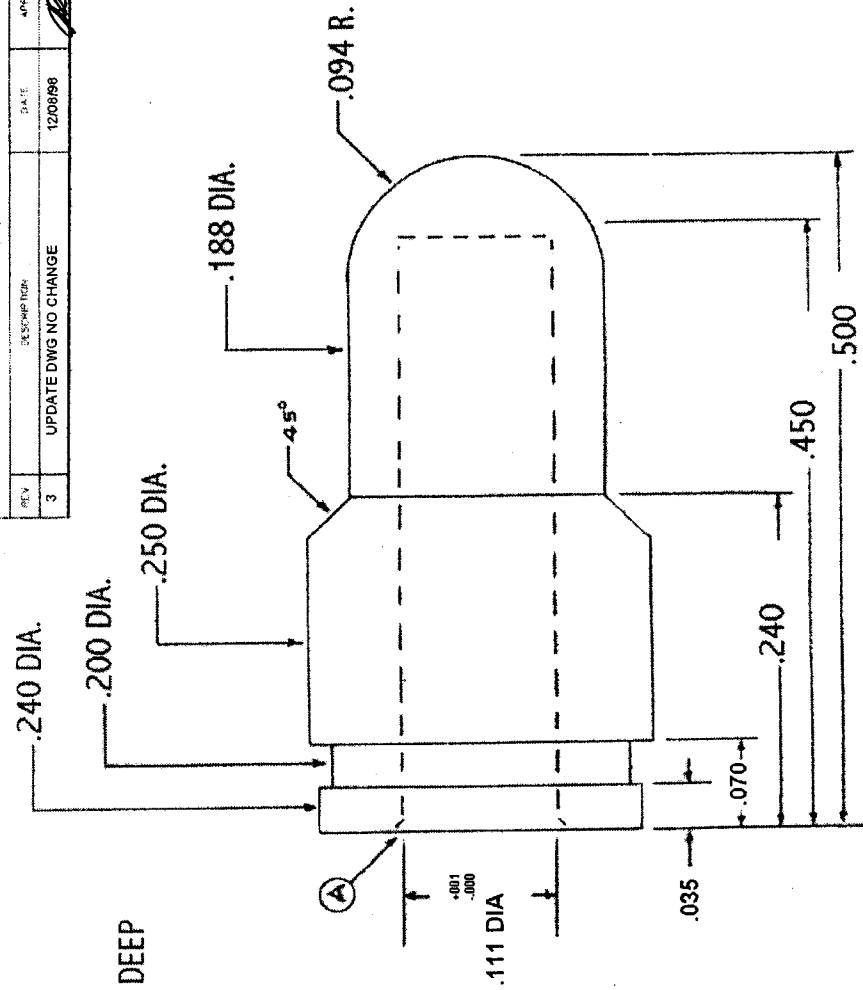
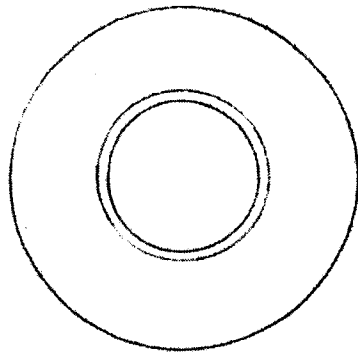
DWG NO. P 34

REV 3

REVISIONS

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

NOTE A COUNTERBORE 45 X .020 DEEP



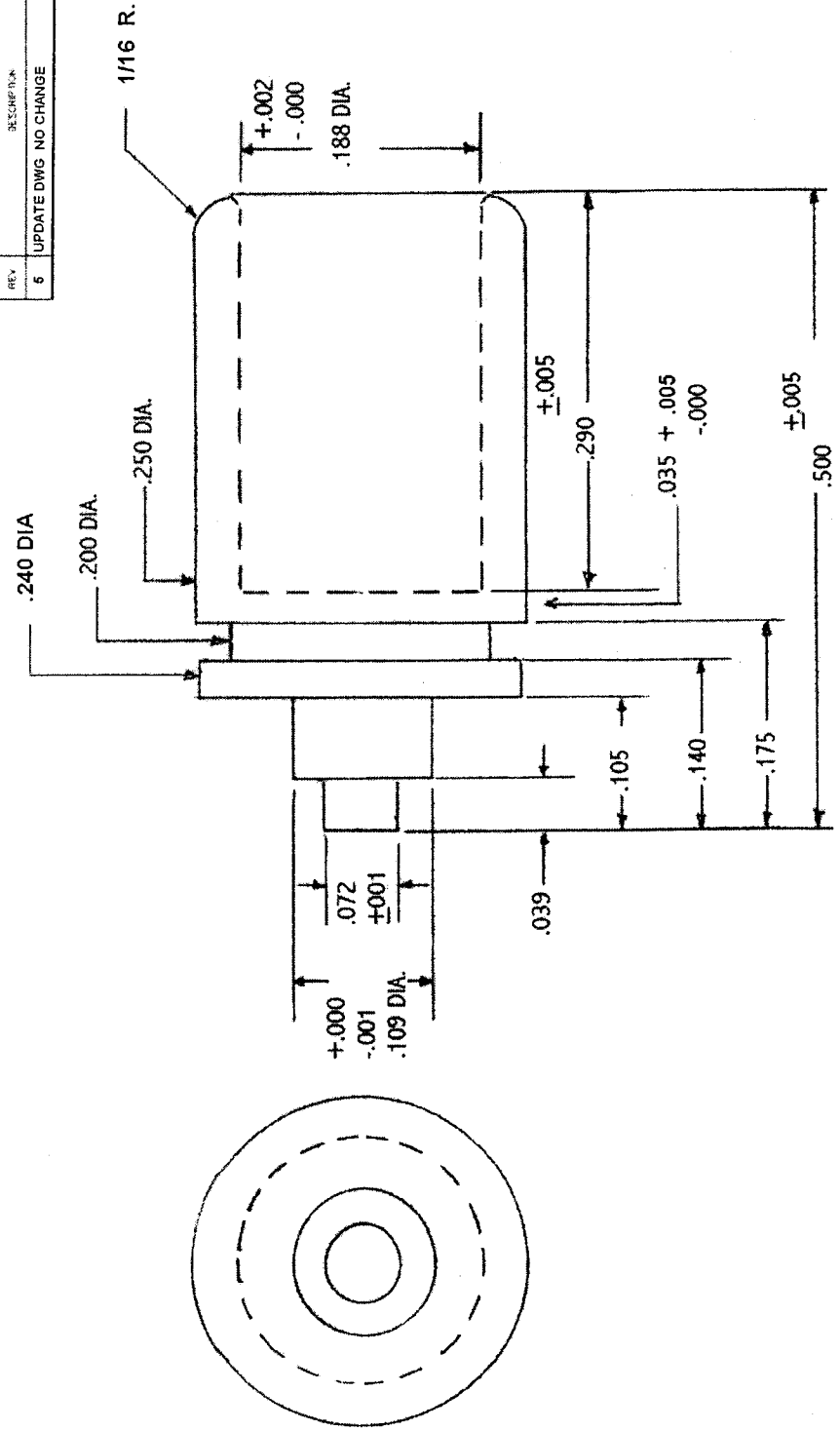
1		P 34		CAPSULE FOR MODEL A SOURCE		ASTM A276	
CITY		PART OR IDENTIFYING NO		NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE DECIMALS ANGLES IN DEGREES FRACTIONS ARE 32nds UNLESS OTHERWISE SPECIFIED		CONTRACT NO.		INDUSTRIAL NUCLEAR CO., INC			
MATERIAL 304 S.S.		APPROVALS		SOURCE CAPSULE			
FINISH 16		DATE 12/08/98		DRAWN BY M. ROSE			
NEXT ASSY USED ON		DATE 12/08/98		CHECKED BY M.B.			
APPLICATION		SCALE: NONE		SIZE: FSCM NO. P 34			
		DO NOT SCALE DRAWING		SHEET 1 OF 1			

DWG NO. P 35

REV 1

5

REVISIONS		DATE	APPROVED
REV 5	UPDATE DWG NO CHANGE	12/11/98	<i>[Signature]</i>



1		P 35		CAPSUL PLUG FOR MODEL A SOURCE 1,7,10,92		MATERIAL SPECIFICATION	
QTY		PART OR IDENTIFYING NO		CONTRACT NO		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE:		ANGLES		INDUSTRIAL NUCLEAR CO., INC	
FRACTIONS		DECIMALS		DIMS		DATE	
1/16 ± .004		.001 ± .001		XXX ± .004		12/11/98	
MATERIAL		304 S.S.		APPROVALS		CAPSUL PLUG	
FINISH		16		DRAWN		M. ROSE	
NFI ASSY		USED ON		CHECKED		12/11/98	
APPLICATION		DO NOT SCALE DRAWING		DATE		12-11-98	
SAFETY CLASSIFICATION		ITS <input type="checkbox"/> CAT A <input type="checkbox"/>		SIZE		F50M NO	
NITS <input type="checkbox"/> B <input type="checkbox"/>		C <input type="checkbox"/>		SCALE		NONE	
REV. NO.		P 35		SHEET		1 OF 1	

DWG NO P35A

SH 1

REV

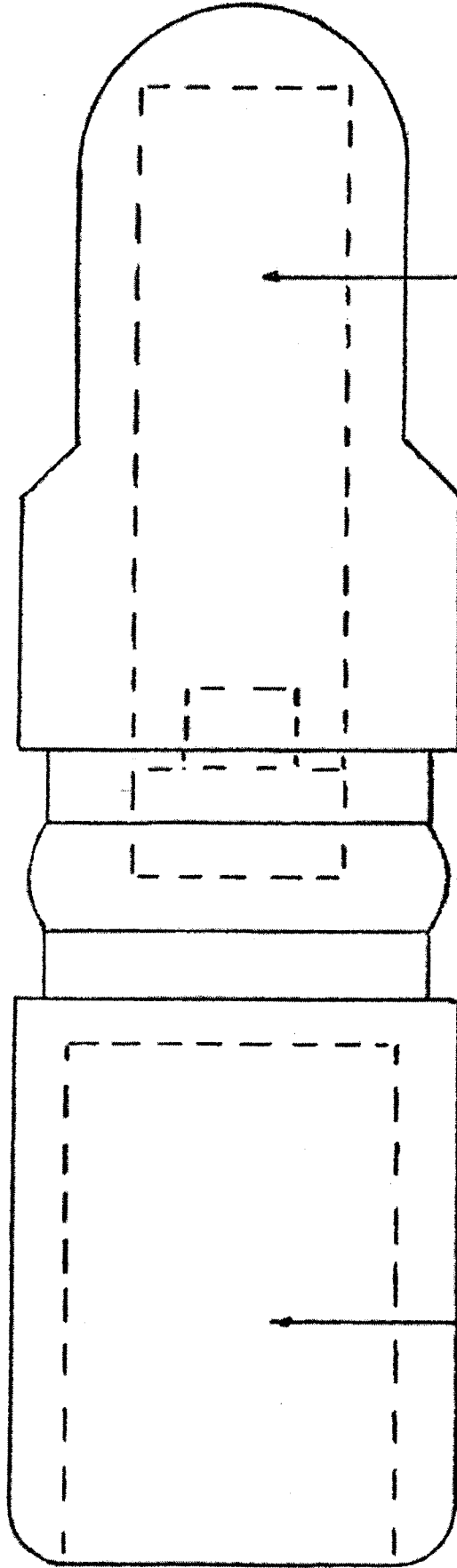
REVISIONS

APPROVED

DATE

DESCRIPTION

REV.



Cable Connection

Heliarc 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

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 FRACTIONS DECIMALS ANGLES
 .XX ± .004 ± .004 ±

MATERIAL 304 SS

FINISH 16

NETL ASBY USED ON

APPLICATION

DO NOT SCALE DRAWING

QTY	FSCM	PART OR IDENTIFYING NO.	SOURCE CAPSULE MODEL A	ASTM A276
				MATERIAL SPECIFICATION
PARTS LIST				
CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XX ± .004 ± .004 ±		APPROVALS	DATE	
MATERIAL 304 SS		DRAWN Mike Rosy	08/04/98	
FINISH 16		CHECKED	08/04/98	
NETL ASBY USED ON		APPROVED	08/04/98	
APPLICATION		SCALE: NONE	DWG. NO. P35A	REV. 0
DO NOT SCALE DRAWING		SHEET: 1 OF 1		

INDUSTRIAL NUCLEAR CO., INC

SOURCE CAPSULE



U.S. Department of
Transportation

**Pipeline and
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Safety Administration**

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

CERTIFICATE NUMBER: USA/0297/S-96

ORIGINAL REGISTRANT(S) :

Industrial Nuclear Company, Inc.
14320 Wicks Blvd.
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

Integrated Quality Services
1236 Brooks Street
Ontario, CA, 91762
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

Basin Industrial X-Ray, Inc.
P.O. Box 4901
Corpus Christi, TX, 78469
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
USA

Perry Equipment Corporation
P.O. Box 640
Ft. Wolters Industrial Park
Mineral Wells, TX, 76068
USA

Apex Inpections, Inc.
2520 Tarpley
Suite 200
Carrollton, TX, 75006
USA

NDE Solutions, LLC
1510 Crosswind Drive
Bryan, TX, 77808
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Pacific Technical Services
3551 Voyager Street
Suite 104
Torrance, CA, 90503
USA

Quality Testing and Inspection
1120 West 135
South Lindon, UT, 84042
USA

Construction Materials Testing
2278-F Pike Court
Concord, CA, 94520
USA

National Service Development Group
3445 Kashiwa St
Torrance, CA, 90505
USA

Link Field Services
8740 I-20 East
P.O. Box 221
Olden, TX, 76466
USA

Blazer Inspection
2602 Texas Avenue
Texas City, TX, 77590
USA

Space Science Services
470 Southgate Road
Dothan, AL, 36301
USA

QC Laboratories, Inc.
2870 Stirling Road
Hollywood, FL, 33020-1199
USA

NDE Services
15552 E. Fremont Drive
Unit A106
Centennial, CO, 80112
USA

RLN Industries
7533 FM 2004
Hitchcock, TX, 77563
USA

U.S. Non-Destructive Inspection
P.O. Box 7717
Abilene, TX, 79608
USA

Davis Laboratories
4175 West Tompkins Avenue
Las Vegas, NV, 89103
USA