



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0798/S-96, REVISION 0**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

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 Co., Inc. Model INC-SFC-1.
2. Source Description - Cylindrical single encapsulation constructed of Type 410 stainless steel and sealed by gas tungsten arc welding. Approximate outer dimensions are 12.7 mm (0.5 in.) in diameter and 50.8 mm (2 in.) in length. Construction shall be in accordance with attached Industrial Nuclear Co., Inc. Drawing No. INFORMATION ONLY.
3. Radioactive Contents - No more than 148 TBq (4000 Ci) of Iridium-192. The Ir-192 is in the form of a solid metal wafers.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on November 30, 2018.

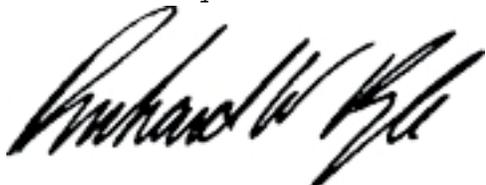
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the October 24, 2013 petition by Industrial Nuclear Company, Inc., San Leandro, CA, and in consideration of other information on file in this Office.

Certified By:



Dec 13 2013

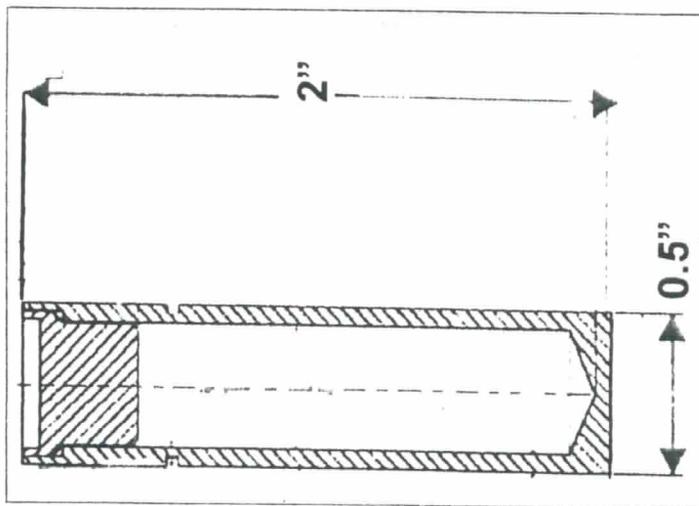
(DATE)

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Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

Note: All MFG DIM are PROPRIETARY.
Not shown on this DWG.



ATTACHMENT 4

US DEPT OF TRANSPORTATION DESCRIPTIVE DRAWING

QTN	ITEM	PART OR	QUANTITY	410 SS	MATERIAL
NO.	NO.	DESCRIPTION	REQD.		IDENTIFICATION
PARTS LIST					
INDUSTRIAL NUCLEAR CO., INC			SPECIAL FORM CAPSULE		
FORM NO.	FORM NO.	FORM NO.	FORM NO.	FORM NO.	FORM NO.
DATE	DATE	DATE	DATE	DATE	DATE
REV.	REV.	REV.	REV.	REV.	REV.
SCALE: NONE			SHEET: OF		



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CERTIFICATE NUMBER: USA/0798/S-96, Revision 0

ORIGINAL REGISTRANT(S):

Mr. Mike Rose
Industrial Nuclear Company, Inc.
14320 Wicks Blvd.
San Leandro, CA 94577