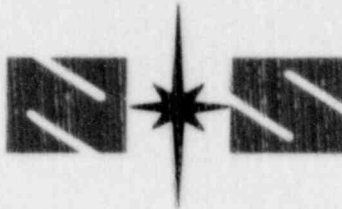


North Star Steel Company



September 25, 1984

Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

SEP 27 P2:57

The N.R.C. license issued to North Star Steel Company is due to expire October 31, 1984. The original license was issued March 12, 1979.

In order to simplify the renewal procedure and save paperwork, only essential information is supplied. The current license (#21-18673-01) has been reviewed and the necessary changes are as follows:

Condition #12, Page 2 - Robert Jakse's name is to be deleted and Richard Sipole to be added.

Documents submitted to the U.S. Nuclear Regulatory Commission with the initial application for the license issued March 12, 1979 are current and up to date. Attached is a copy of the original license with changes noted, a certification of training for Richard Sipole, and a copy of the most recent leak test certificate.

Responsibilities of the radiation protection officer will be fulfilled by Richard Sipole. Questions or comments concerning this application for renewal can be directed to Mr. Sipole at North Star Steel, (313) 243-2446, extension 229.

Thank you.

Sincerely,

Richard T. Sipole
Safety and Security Manager
North Star Steel Company
Michigan Division

8604070081 860131
REG3 LIC30
21-18673-01 PDR

RTS/sr

Applicant
Check No.	69974
Amount/Fee Category	120
Type of Fee	30 Rev
Date Check Rec'd	10/2/84
Received By	CP

U.S. N.R.C.
MICHIGAN DIVISION

OCT -2 NO:21

RECEIVED

RECEIVED BY	LFMB
Date	10/2/84
By	CP
Original To	CP
Action Comp.	18197

U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to import such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. North Star Steel Company	3. License number	21-18673-01
2. 3000 East Front Street Monroe, Michigan 48161	4. Expiration date	October 31, 1984
	5. Docket or Reference No.	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium-137	A. Sealed Sources (New England Nuclear Model NER 570, Gamma Industries Model VD, General Radioisotope Products Model 850233, 3M Company Model 4P6M, or Amersham Searle Model X.8., X.9., or X.19)	A. No single source to exceed 1,000 millicuries
9. Authorized use		
A. To be used in Kay-Ray Model 7062SD source holders for level measurement.		

CONDITIONS

10. Licensed material shall be used only at the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE
Supplementary Sheet

Page 2 of 3 Pages

License Number 21-18673-01

Docket or

Reference No. _____

Continued From Page 1

CONDITIONS

12. Licensed material shall be used by, or under the supervision of, ~~Robert A. Jakse~~ or Frank Sikula, ^{RICHARD SIKULA} ^{ADD}
13. A. Each sealed source shall be tested for leakage and/or contamination at intervals not to exceed three years. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Regional Office of Inspection and Enforcement, U.S. Nuclear Regulatory Commission, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
15. A. The initial installation, radiation survey, maintenance and repair of devices containing licensed material and installation, replacement and disposal of sealed sources containing licensed material used in devices shall be performed only by Kay-Ray, Inc. or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
- B. Notwithstanding Condition 15.A. installation, relocation and radiation surveys of the devices listed in Item 9.A. above shall be performed by the licensee or other persons specifically authorized by the Commission or an Agreement State to perform such services.

MATERIALS LICENSE

Supplementary Sheet

License Number 21-18673-01

Docket or

Reference No. _____

Continued From Page 2

CONDITIONS

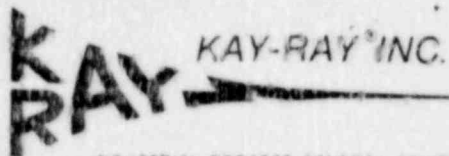
16. Survey instruments to be used for making the survey specified in Condition 15 shall be calibrated at least annually by the manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
17. The licensee may transport licensed material or deliver licensed material to a carrier for transport, in accordance with the provisions of Section 71.5, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
18. The licensee shall conduct a physical inventory every 6 months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, location of sealed sources, and the date of the inventory.
19. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated February 7, 1979.

For the U. S. Nuclear Regulatory Commission

by John W. Cooper
License Management BranchDivision of Fuel Cycle and
Material Safety
Washington, D. C. 20546

Date

APR 12 1979



INDUSTRIAL PROCESS CONTROL EQUIPMENT

516 West Campus Drive • Arlington Heights, Illinois 60004 • (312) 259-5600 • TELEX 281-085 • CABLE: KAYRAY

CERTIFICATION OF TRAINING

Name: Richard Sipole

Company: North Star Steel

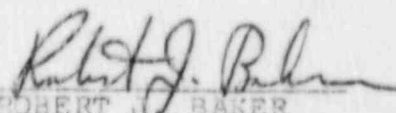
The above named individual has successfully completed the
INSTALLATION AND NUCLEAR RADIATION SAFETY course offered by
Kay-Ray, Inc., consisting of the following curriculum:

- Principles and practices of radiation protection
- Monitoring radiation levels using Geiger counters
- Radiation exposure limits
- Radiation areas defined
- Calculating radiation levels from known gamma source
size and distances
- Calculating dose rates of typical installation
- Leak testing Kay-Ray source housings
- Safety practices required for the use and handling
of Kay-Ray source housings
- Installation of source housings demonstration and
Hands-On installation

This training course consists of formal discussions, practical
applications, leak testing, specific installation discussions,
and hands-on installation completion with related forms for
record keeping.

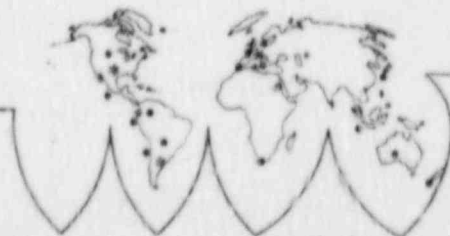
Certified on equipment
model 7060SD

Instructor: Raymond A. Parsons
Date: August 17, 1984


ROBERT J. BAKER
Vice President

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Nov81



KAY-RAY INC.

INDUSTRIAL PROCESS CONTROL EQUIPMENT

516 West Campus Drive, Arlington Heights, Illinois 60004
Phone: (312) 259-5600 Cable Address: KAYRAY Telex 28 2536

LEAK TEST CERTIFICATE

To: North Star Steel
3000 E. Front Street
Monroe, Michigan 48161

Date: March 27, 1984

Ref:

Attn: Dana Dunnholter

KR Job No: 2336

This certifies that the source(s) listed below have been leak tested according to prevailing NRC standards, and radioactive contamination found to be less than .005uCi Cesium 137.

Please retain this certificate for your files.

CERTIFICATION:

By:

Title: Field Engineering Services

Date: March 27, 1984

<u>Leak Test Serial No.</u>	<u>Source Holder Manufacturer</u>	<u>Source Holder Model No.</u>	<u>Source Holder Serial No.</u>	<u>Activity (mCi)</u>	<u>Date</u>	<u>By</u>
22933	Kay-Ray	7060SD	9384	1000	3/84	R.P.
22932	Kay-Ray	7060SD	9383	1000	3/84	R.P.
22931	Kay-Ray	7060SD	9382	1000	3/84	R.P.
22934	Kay-Ray	7060SD	9385	1000	3/84	R.P.

Aug81