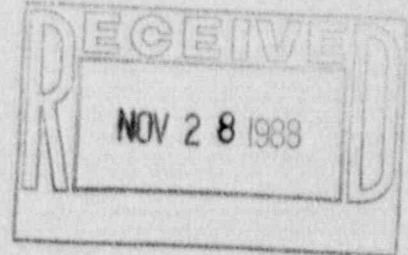


SHEFFIELD

November 23, 1988

U. S. Nuclear Regulatory Commission
611 Ryan Boulevard
Suite 1000
Arlington, Texas 76011



Gentlemen:

This is a request by Sheffield Steel Corporation for an amendment to our NRC License No. 35-19883-01.

We would like to add Michael Lawrence's name to the Material License on Item Number 11 (Licensed material shall be used by, or under the supervision of, C. R. Rearden, B. W. Proft, Bill Fondren, and Michael Lawrence.) and on Item Number 14 (Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources shall be performed only by Bill Fondren and Michael Lawrence, or by persons . . .). See Materials License attached.

Please find enclosed Mr. Lawrence's certification letter and a check for \$60 for the amendment change. Your assistance in this matter will be appreciated.

Sincerely,

SHEFFIELD STEEL CORPORATION

D. E. Brooks
Vice President - Human Resources

ML:srm

9001310352 881222
REG4 LIC30
35-19883-01 PDR

RECEIVED
NOV 28 1988

83 DEC -1 P2:43

RECEIVED

Dec 1-14

037612

License Fee \$60
on 3P
Amd
12/1/88
12/2/88
Museum



LETTER OF CERTIFICATION

This is to certify that

Michael Lawrence
Sheffield Steel

has attended and successfully completed a course of instruction, conducted under the auspices of Texas Nuclear Corporation and described in the attached Course Agenda. The course covers fundamentals of radiation, units of dose and quality of radiation fields, hazards of radiation exposure, detection devices, regulatory controls, industrial devices and specific training on installation and leak testing of Texas Nuclear density, level and weigh gauges.

The said course of instruction, together with prior experience, is structured to qualify persons who complete it to understand and safely perform various operations involving nuclear devices including the installation, relocation and leak testing of such equipment. The operations are to be done in accordance with the rules and regulations of the United States Nuclear Regulatory Commission and/or "Agreement States", and are in all respects subject to such rules and regulations.

This letter cannot be used in lieu of a specific license from or other sanction by an appropriate regulatory agency.

TEXAS NUCLEAR CORPORATION

A handwritten signature in cursive script that reads 'W. G. Hendrick'.

W. G. Hendrick

Health Physicist



August 22, 1988

Mr. Michael Lawrence
Safety Director
Sheffield Steel
P. O. Box 218
Sand Springs, OK 74063

Dear Mr. Lawrence:

We are pleased to confirm your successful completion of the Radiation Safety Training Course conducted August 15-19, 1988 by Texas Nuclear Corporation.

Enclosed are the following:

Record of Performance
Certificate of Training
Letter of Certification
Guide For Specific License Amendment

This form letter suggests what may be said to your regulatory agency to obtain the license amendments necessary to conduct installation relocation, and leak testing on the listed Texas Nuclear industrial devices. Copies of procedures, survey and leak test forms from your course manual, with necessary changes to meet your specific requirements, should be sent with your license application as necessary.

Congratulations on completing the Radiation Safety Training Course. If we can be of further assistance, do not hesitate to let us know.

Sincerely,

TEXAS NUCLEAR CORPORATION

W. G. Hendrick
Health Physicist

WGH/pz
Enclosures

TEXAS NUCLEAR CORPORATION
RADIATION SAFETY TRAINING COURSE AGENDA

DAY ONE

INTRODUCTION
ATOMIC STRUCTURE
READING ASSIGNMENT

DAY TWO

RADIOACTIVE MATERIALS
TYPES OF RADIATION
RADIATION INTERACTION WITH MATTER
RADIATION DOSIMETRY
REVIEW

DAY THREE

RADIATION DOSIMETRY
DISTANCE, TIME, SHIELDING
BIOLOGICAL EFFECTS
RADIATION DETECTION

DAY FOUR

PERSONNEL MONITORING
WORKING DEFINITIONS
LABORATORY PREPARATION
LABORATORY WORK
REGULATORY CONTROL
SHIPPING RADIOACTIVE MATERIAL
OCCUPATIONAL SAFETY & HEALTH ACT
EMERGENCY PROCEDURES

DAY FIVE

QUESTION AND ANSWER SESSIONS
WRITTEN TEST ON LECTURES AND HOMEWORK ASSIGNMENTS
CLASS DISCUSSION ON REMAINING QUESTIONS

HOMEWORK ASSIGNMENTS ARE MADE EACH EVENING DURING THIS COURSE

MATERIALS LICENSE

Amendment No. 01

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 I, Parts 30, 31, 32, 33, 34, 35, 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). 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. Sheffield Steel Corporation 2. 2300 South Highway 97 P.O. Box 218 Sand Springs, Oklahoma 74063		In accordance with letter dated December 1, 1986 3. License number 35-19883-01 is amended in its entirety to read as follows:	
		4. Expiration date April 30, 1993	
		5. Docket or Reference No. 030-19534	
6. Byproduct, source, and/or special nuclear material A. Cesium-137	7. Chemical and/or physical form A. Sealed sources (Nuclear-Chicago Models RR-138, 833512, or 850233; or U.S. Nuclear Models 373 or 378)	8. Maximum amount that licensee may possess at any one time under this license A. Not to exceed 2 curies per source	
9. Authorized use A. For use in Nuclear-Chicago Model 5180 source holders for level control in steel casting machine molds.			

CONDITIONS

10. Licensed material shall be used only at the facilities located at Highways 64 and 51, Sand Springs, Oklahoma.
11. Licensed material shall be used by, or under the supervision of, C. R. Rearden, B. W. Proft, and Bill Fondren.
12. Sealed sources containing licensed material shall not be opened.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
35-19883-01

Docket or Reference number
030-19534

Amendment No. 01

13. A. Sources contained in devices manufactured by Nuclear-Chicago shall be tested for leakage and/or contamination at intervals not to exceed 6 months. The test may be conducted at 3-year intervals provided the sources have been authorized by the Commission (or an Agreement State) for a 3-year leak test interval. Any source which is received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 1000, Arlington, Texas 76011, ATTN: Chief, Nuclear Materials and Emergency Preparedness Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. The licensee is authorized to collect leak test samples for analysis by Bill Fondren, or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources shall be performed only by Bill Fondren or by persons specifically licensed by the Commission or an Agreement State to perform such services. Installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
35-19883-01

Docket or Reference number
030-19534

Amendment No. 01

15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 years from the date of each inventory.
16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated September 29, 1964
 - B. Application dated November 9, 1964
 - C. Application dated October 10, 1966
 - D. Application dated October 8, 1973
 - E. Application dated January 11, 1977
 - F. Application received October 26, 1978
 - G. Letter dated November 20, 1981
 - H. Letter dated December 1, 1986

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 6 1988

By OK Cain
Nuclear Materials Licensing Section
Region IV
Arlington, Texas 76011