

AVTEX FIBERS INC. Box 1169, Kendrick Lane, Front Royal, VA 22630 (703) 635-2141

Applicant...
Check No. 007007
Amount/Fee Category \$60.00
Type of Fee Amendment
Date Check Rec'd 4/17/85
Received By Brown

RECEIVED

APR 17 11:41

U.S. N.R.C.
LIC. FEE MGMT. BRANCH

April 2, 1985

United States Nuclear Regulatory Commission
Region II
101 Marietta Street N.W., Suite 3100
Atlanta, Georgia 30323

Attn: Ms. Diane Heim

Dear Ms. Heim:

This is a request by Avtex Fibers Inc. for an amendment to our Byproduct Material License No. 45-09469-01 that will continue to permit our company to install, relocate and conduct leak tests on gauging devices containing specified radioactive materials, as used in our plant for the purposes authorized by our license.

This request is to add an individual, namely, K. R. THURSTON, who will use or directly supervise the use of licensed material as presently covered by our license.

Mr. Thurston has attended and successfully completed a course of instruction conducted under the auspices of Texas Nuclear Corporation, Austin, Texas. The course contents are itemized in the Radiation Safety Training Course agenda enclosed along with copies of Mr. Thurston's Letter of Certification and Certificate of Training.

In addition to the above mentioned training Mr. Thurston received on-the-job training for a three month period under the direction of Mr. G. I. Jones, who is presently covered by our license to use or directly supervise the use of licensed material.

Mr. Thurston will be the Radiation Officer and Mr. Jones, who is retired, is being retained as a consultant on an as-needed basis.

Also enclosed is a check in the amount of \$60.00 made payable to United States Nuclear Regulatory Commission to cover the amendment fee.

Very truly yours,

C. D. Sims, Jr.
C. D. Sims, Jr.
Senior Staff Engineer

jal
Enclosure

Rec'd 4/19/85
50543

RECEIVED BY LFMS	
Date...	4/17/85
Leg...	April 4 th
By...	Brown
Orig. To...	
Action Compl.	4/20/85
Idel & file	3/20/85

not avic

8505300193 850507
REG2 LIC30
45-09469-01 PDR

RADIATION SAFETY TRAINING COURSE
AGENDA

MONDAY - Beginning 4:00 p.m.

1. Introduction
 - a. Contents and Purpose of Course
 - b. Review Agenda
2. Review of Preparation Material
3. Reading Assignment

TUESDAY

1. Atomic Structure
 - a. Nomenclature
 - b. Periodic Table

Coffee Break

2. Radioactive Materials
 - a. Isotopes
 - b. Decay
 - c. Half-Life

3. Types of Radiation

Lunch

4. Radiation Interaction with Matter
 - a. Ionizing Radiation
 1. Electromagnetic
 2. Charged particle
 3. Neutron
 - b. Specific Ionization

Coffee Break

5. Radiation Dosimetry
 - a. Definitions and Units of Dose
 - b. Quality Factor

Review

HAPPY HOUR

WEDNESDAY

Question and Answer Session

1. Radiation Dosimetry (Continued)
 - a. Gamma Exposure Rate
 - b. Neutron Exposure Rate

Coffee Break

- c. Biological Effects
- d. Dose Limits
- e. Radiation Protection Guides

Lunch

2. Radiation Detection
 - a. Detection Instruments
 1. Basic Operation
 2. Survey Meters
3. Personnel Dosimetry
4. Distance, Time, Shielding
 - a. Inverse Square Law
 - b. Half-Value Layer

Coffee Break

Discussion and Review

Homework Assignment

- Read Part I of Manual of Standards
and Procedures
- Complete Study Quiz I

THURSDAY

Question and Answer Session

1. Preparation for Laboratory
 - a. Form Review
 - b. Team Assignment
 - c. Surveying and Leak Testing Demonstration

Travel to Texas Nuclear

2. Laboratory Work at Texas Nuclear Corporation
 - a. Check-out and re-briefing on use of portable radiation survey meters.
 - b. Survey Density, Level or Belt Weigh Scales.
 - c. Leak Test Devices Using QT/IS Procedure
 1. Count Swabs
 - d. Prepare Leak Test Certificates

Lunch

3. Working Definitions
4. Regulatory Control
 - a. Title 10 Code of Federal Regulations
 - b. Agreement States
 - c. Licensing Procedures
 - d. Purpose of Licensing
 - e. User Responsibility

Coffee Break

5. Shipping Radioactive Material
 - a. Definitions
 - b. Classification
 - c. Labels
6. Occupational Safety & Health Act
7. Emergency Procedures
 - a. Guidelines
 - b. Fire or Explosion
 - c. Incident Report

Homework Assignment

Read Part II of Manual of Standards
and Procedures
Complete Study Quiz II
Review Material for Exam

FRIDAY

Question and Answer Session

1. Summary of Topics
 - a. Role of Radiation Safety Personnel
 - b. Class Discussion

Written Test on Lectures
and Homework Assignments

2. Class Discussion on Remaining Questions

Lunch

ADJOURNMENT--1:00 P.M.

Certificate Of Training

This is to certify that

K. THURSTON

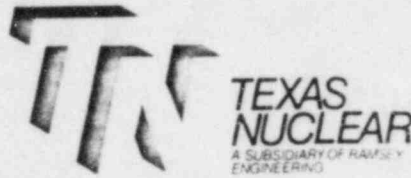
Has Successfully Completed a Radiation Safety Training Course
presented by Texas Nuclear Corporation.



Issued 1st Day Of March 1985

W. J. French
Health Physicist

Tom Gushonne
President



LETTER OF CERTIFICATION

This is to certify that

K. Thurston
Avtex Fibers Incorporated

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

W. G. Hendrick

Health Physicist