United Conveyor Corporation
300 Wilmot Road • Deerfield, Illinois 60015 • Phone: (312) 948-0400 • Cable: UNICONVEY, Deerfield, Illinois • Telex: 25-4467

February 1, 1984

U.S. Nuclear Regulatory Commission
Region III
Radioisotopes Licensing Section
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Sir:

This is a request by United Conveyor Corporation for an amendment to our NRC License No. 12-20056-01. In addition to Robert W. Kuby, we would like Kenneth W. Lauridsen to be approved to supervise installation and relocation as well as perform leak tests and radiation surveys on Texas Nuclear Division gauging devices.

Mr. Lauridsen 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 attached Radiation Safety Training Course agenda. The Certificate of Training is also attached. Mr. Lauridsen has participated in the installation of one density gauge and received "hands on" training in leak testing and surveys under the supervision of authorized Texas Nuclear personnel. In addition, he has participated in leak tests, surveys and removal of a density gauge under the supervision of United Conveyor Corporation's Radiation Protection Officer.

We request immediate review of this application and will call you on the sixth of February to see if a verbal approval can be given. Enclosed please find a check in the amount of $40.00.

Very truly yours,

UNITED CONVEYOR CORPORATION

Robert W. Kuby
Project Engineer/Radiation Protection Officer

Kenneth W. Lauridsen
Laboratory Supervisor

8604070037 860124
REG3 LIC30
12-20056-01 PDR

att.

BOX 9267, AUSTIN, TEXAS 78766 USA, (512) 836-0801, TELEX 77-6413

TEXAS NUCLEAR
A SUBSIDIARY OF RAMSEY ENGINEERING

LETTER OF CERTIFICATION

This is to certify that

K. W. LAURIDSEN
UNITED CONVEYOR CORPORATION

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

Certificate Of Training

This is to certify that

K. W. LAURIDSEN

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

TEXAS NUCLEAR
A SUBSIDIARY OF RAMSEY ENGINEERING

Issued 24th Day Of September 1982

Health Physicist

President

RADIATION SAFETY TRAINING COURSE

AGENDA

First Day's Session

Introduction
1. Contents and Purpose of Course
2. Agenda

Review of Preparation Material

Atomic Structure
1. Nomenclature
2. Periodic Table

Coffee Break

Radioactive Materials
1. Isotopes
2. Radioactivity
3. Decay
4. Half-Life

Lunch

Radiation Interaction with Matter
1. Ionizing Radiation
   a. electromagnetic
   b. charged particle
   c. neutron
2. Specific Ionization

Coffee Break

Radiation Dosimetry
1. Definitions and Units of Dose
2. Quality Factor

HAPPY HOUR

Homework Assignment -

Read over work covered.
Study new definitions and concepts.

CONTROL NO. 00435

Second Day's Session

Question and Answer Session

Radiation Dosimetry (Continued)
3. Gamma Exposure Rate
4. Neutron Exposure Rate

Coffee Break

Biological Effects
1. Dose Limits
2. Radiation Protection Guides

Lunch

Radiation Detection

Detection Instruments
1. Basic Operation
2. Ionization Chambers
3. Geiger-Mueller Instruments
4. Neutron Detectors

Personnel Dosimetry

Coffee Break

Distance, Time, Shielding
1. Inverse Square Law
2. Half-Value Layer

Discussion and Review

Homework Assignment -

Complete Part I of Radiation Safety Manual.
Complete Study Quiz I.
Briefly look over Part II of Manual.

Third Day's Session

Question and Answer Session

Working Definitions

Licensing
1. Title 10 Code of Federal Regulations
2. Agreement States
3. Specific License

Radiation Area and Posting

Coffee Break

Device Installation
1. Requirements
2. Format
3. Responsibility

Lunch

Shipping Radioactive Material
1. Definitions
2. Classification
3. Labels

Coffee Break

Occupational Safety & Health Act

Emergency Procedures
1. Guidelines
2. Fire or Explosion
3. Incident Report

Homework Assignment -
Read Part II of Radiation Safety Manual.
Complete Study Quiz II on regulations.
Material Review for Exam.

Fourth Day's Session

Question and Answer Session

Written Test on Lectures and Homework Assignments

Travel to Texas Nuclear

Laboratory Work at Texas Nuclear Corporation

1. Check-out and briefing on use of portable radiation survey meters.
2. Survey density, level and belt weigh devices.
3. Leak test devices using QT/1S procedure
   a. count swabs
   b. prepare leak test certificates

Class Discussion on Remaining Questions

ADJOURNMENT