



Measurements Division

Certificate of Completion

This certifies that
Mierxiati Abudureyimu

Successfully completed the
40 Hour Ronan
Radiation Safety and Awareness
Training School

Topics Covered:

1. Atomic Structure
2. Nature of Radioisotopes
3. Source Holders and Source Capsules
4. Radiological Units and Mathematics
5. Radiation Protection Standards (10CFR)
6. Annual Occupational Dose Limits and A.L.A.R.A.
7. Biological Effects
8. Radiation Detectors and Survey Instruments
9. Source Holder Handling
10. Radiation Surveys and Occupancy Evaluation
11. Personnel Monitoring
12. Radiological Emergencies and Incident Notification
13. Licensing (General Vs. Specific)
14. Duties of an R.S.O.


Signature

Sept 15, 2006
Date



Radiation Safety Instructor Certificate

This certifies that

Mierxiati Abudureyimu

Having sufficient educational background, presentation abilities, knowledge in Radiation Physics and Ronan's Radiation Safety School Manual (as listed in Ronan's Radioactive Material License, dated April 30, 2001), has qualified for, and been granted the position of Instructor for Ronan's Radiation Safety School.

Authorized by:

A handwritten signature in cursive script, appearing to read "Andrew Cheshire", written over a horizontal line.

Andrew Cheshire
General Manager

A handwritten signature in cursive script, appearing to read "Craig Caris", written over a horizontal line.

Craig Caris
Ronan R.S.O.

Mershad A. SHAHABIDIN
2805 Columbia Street, Torrance, CA 90503
Tel: (310) 349-2494, Mobil: (424)236-0314 E-mail: mabdu@rapiscansystems.com

Sr. Physicist and Radiation Safety Officer

PROFESSIONAL AND WORK EXPERIENCE
06/2008 –

Rapiscan Systems, Inc., California
Alt. Radiation Safety Officer

Develops and maintains a regulatory tracking system in support of the radiation safety program, and responsible for administering a comprehensive radiation safety and radiological health program.

Control of hazards from all sources of ionizing radiation in use and present at Rapiscan facilities. This includes radiation emitted from conventional cabinet x-ray systems as well as high energy LINAC systems, radioactive materials such as Cobalt-60, Cf-252, Cs-137, U-235 and H-3.

Complete the annual review of the radiation safety program for adherence to ALARA (as low as reasonably achievable) concepts.

Instruct Radiation Safety Training for Rapiscan staffs and Rapiscan clients.

Responsible for radiation survey instruments control and calibration.

Responsible for organizing, control and maintain records of radioactive material and radiation sources, as well as radioactive material shipping and receiving.

Distribute and processes personnel monitoring equipment, maintains personnel exposure records and recommends appropriate action to minimize personnel exposure.

09/2006 - 05/2008

Ronan Engineering Company, Florence, KY
Sr. Physicist and Radiation Safety Officer

Implement Radiation Safety Program to assure radiation and contamination is controlled and ALARA practices are performed

Instruct varies Safety and Technical Training. Including: RSO 40 hours radiation safety training, 2 days and 8 hours refreshing radiation safety training

Counsel clients seeking and maintain NRC material licenses

Instruct Ronan staffs as well as clients in safe handling of nuclear gauges

Involved in the design, development and applications of nuclear radiation detectors

Design and development of source holders' use for industrial gamma gauges

Prepare and submit applications for registration or amendment of Sealed Source Device Registry for Fixed Gauging Systems

Responsible for repair and calibration of radiation instruments

Responsible of the practice safety management program, verifying the collection of current OSHA policies, maintaining the material safety data sheets (MSDS) collection, creating and/or maintaining the employee medical records, completing safety reports, and training

04/2005 -01/2006

Overhoff Technologies Corporation, Milford, OH
Project Engineer

Involved in design, development of Heavy Water Leak Detectors, Beta/Gamma-ray survey meters and high-pressurized environmental ion chamber detectors

10/2000 - 11/2001

Institute for Theoretical Physics, Innsbruck University, Austria
Visiting Scholar

Research emphasis: Effect of $E \times B$ drift on the plasma flow at the magnetic preheat entrance and Effects of energetic electrons on magnetized electrostatic plasma sheaths

09/1990 - 10/2000

Department of Physics, Xinjiang University, P.R China
Assistant Professor

Research topics: Improvement of Xinjiang sugar beet by ion bombardment and studies of its biological effects

EDUCATION

02/2002 - 07/2004

Cincinnati State Technical and Community College, OH
English as a Second Language

09/1999 - 01/2000

Beijing Language and Culture University, P.R China
Intensive German Language Studies (Advanced)

09/1986 - 07/1990

Xinjiang University, P.R China
Bachelor of Science, Physics