

RECEIVED
REGION 1

Attentive Services • Competitive Prices

N
NUCLEAR
DIAGNOSTIC
PRODUCTS

'05 FEB 14 P12:55

February 9, 2005

MS-16 Q-6

Mr. Todd J. Jackson
United States Nuclear Regulatory Commission
Region 1
Allendale Road
King of Prussia, PA

29-30500-02 MID
08036362

Dear Mr. Jackson:

This letter is in response to your request for additional information regarding the Nuclear Diagnostic Products amendment request. (NRC Mail Control Number 136205)

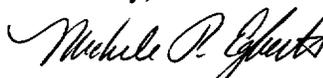
Nuclear Diagnostic Products has adopted a 2-step approach for training nuclear pharmacists. During their training, pharmacists receive both didactic and hands on experience. Nuclear Diagnostic Products has an affiliation with the University of Arkansas School of Pharmacy to provide didactic training, while hands on training is provided at our pharmacy. One of our authorized nuclear pharmacists, Melissa Achey, PharmD, has been approved as a didactic preceptor by the university. A detailed course description is kept on file and is available for review.

Maya Kang received 250 hours of didactic instruction from the University of Arkansas from September 20, 2004 to December 7, 2004 to satisfy 10CFR Part 35.980. She passed with a grade of over 90%.

All hands-on training was provided at Nuclear Diagnostic Products under the supervision of authorized nuclear pharmacists (Gavin Kahn, RPh and Melissa Achey, PharmD). Maya received 1100 hours of handling experience from June 7, 2004 to December 21, 2004. Maya has demonstrated her ability to competently function independently as an authorized nuclear pharmacist and operate a nuclear pharmacy as per 10CFR.980. Attached is the Training outline that we follow.

If you have any other questions or concerns, please feel free to contact me, or if I am not available, the pharmacy manager, Gavin Kahn.

Sincerely,



Michele Egberts
Radiation Safety Officer

2 Keystone Avenue, Unit 200
Cherry Hill, New Jersey 08003

136205
NMSS/RGNI MATERIALS-002

(856) 489-5733
(856) 489-5736 Fax

A.N.P. Training Outline

- I. Orientation
 - A. Facility tour
 - B. Regulatory training requirements
 - C. Rights & Responsibilities
 - D. Personal Dosimetry

- II. General Pharmacy Requirements
 - A. Board of Pharmacy rules & regulations
 - B. Radiopharmacy requirements
 - C. Aseptic Technique
 - D. Taking orders
 - E. End of Day Procedures

- III. Nuclear Pharmacy
 - A. Taking orders
 - B. Introduction to radiopharmaceuticals
 - C. Eluting a generator
 - D. Mo-99 Assay
 - E. Alumina Testing
 - F. Compounding and dispensing
 - G. Drawing Doses
 - H. Quality Control/Radiochemical purity
 - I. Inventory

- IV. Radiation Safety
 - A. personnel monitoring
 - B. dose rate surveys
 - C. Contamination surveys
 - D. Emergency events/spills
 - E. Instrumentation
 1. Dose Calibrator Procedures
 - a. Linearity
 - b. Accuracy
 - c. Geometry
 - d. Constancy
 - e. Channel check
 2. Survey Meters
 3. Solid Scintillation Detectors
 - a. Calibration
 - b. Efficiency
 - c. MDA/LLD calculation

F. Sources

1. Inventory
2. Leak Tests
- 3.

G. Iodine handling procedures

1. General Safety Procedures
2. Air Monitoring
3. Bioassay

V. Waste Management
A. Segregation by half life

VI. DOT
A. Preparing Ship ments Containing Radioactive Material
B. Receiving Packa ges containing Radioactive material
C. Transporting and Delivering packages of radioactive material
D. Dispatching a Run

VII. Nuclear Medicine Department Visit