RADIOISOTOPE HANDLING EXPERIENCE

Name: William D. "Dan" Hill Date: September 30, 2009

Document the actual use/handling of radioactive material under the supervision of an Authorized Nuclear Pharmacist.

ISOTOPE	MAXIMUM ACTIVITY HANDLED	USE See key below: 1,2,3,4,5,6,7	EXPERIENCE Actual clock hours (Include date range of experience)	WHERE EXPERIENCE GAINED
All byproduct materials	100 mCi	1,2,5,6	2000 hours 1978 – 1980	Nuclear Power Plant radiation protection
		1,2,3,4,5,6,7	24000 hours 1981 – 1995	Nuclear Medicine Technologist CNMT ARRT(N)
		5,6	3000 hours 1995 - 2008	Emergency FirstResponder
				Maryland & West Virginia
				Radiological Health Programs

Key for "Use": the number, or numbers, entered under "Use" should correspond to the handling experience for each isotope.

1. Ordering, shipping, receiving radioactive materials and performing related radiation surveys
2. Calibrating, using and performing checks for proper operation of dose calibrators, scintillation detectors, survey meters, and, if appropriate, instruments used to measure alpha- or beta-emitting radionuclides
3. Calculating, assaying and safely preparing dosages for patients or human research subjects
4. Using appropriate internal controls to avoid mistakes in the labeling and/or administration of by product material
5. Using procedures to prevent or minimize contamination and using proper decontamination procedures
6. Learning emergency procedures to handle and contain spilled materials safely, including related decontamination procedures, surveys, and wipe tests
7. Eluting Tc-99m from generator systems, assaying the eluate for Tc-99m and for Mo-99 contaminations, and processing the eluate with reagent kits to prepare Tc-99m labeled radioactive drugs.

TRAINING RECEIVED IN BASIC RADIOSOTOPE HANDLING TECHNIQUES

Name W. Dan Hill

Location of Training	Date(s) of Accordance	Course Title	Total Clock Hours of Course	BREAKDOWN OF COURSE CONTENT IN CLOCK HOURS*				
				Radiation Physics & Instrumentation	Radiation Protection	Math Pertaining to Radioactivity	Radiation Biology	Radiopharmaceutical Chemistry
VPI&SU 1974-1978	1974-1978	Algebra, Calculus, Health Physics, Nuclear Engineering,	2000	400	800	400	280	120
MCV-VCU School of Basic Sciences	1981-1982	Radiobiology (graduate school)	132	Biophysics 24	12	24	24	24
Nuclear Medicine Institute	1980-1981	Nuclear Medicine	2000	100	200	800	100	800
*Note: Show a breakdown of hours by institution, dates, and subjects. List each hour only once (i.e., under the most applicable subject category)		**TOTAL HOURS**	4132					