



CARDINAL HEALTH NUCLEAR PHARMACY SERVICES  
QUALITY AND REGULATORY  
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## DAN HILL

### SUMMARY

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Health Physicist with over 30 years of experience in radiation protection for the safe use of radioactive materials and sources of radiation in regulatory compliance, nuclear medicine, radiology, research and commercial nuclear power facilities.

### EMPLOYMENT

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2009 to present                      Cardinal Health                      Dublin, OH  
*Health Physicist*

- Quality and Regulatory, Nuclear Pharmacy Services – Senior license reviewer for compliance with state and federal regulations for the use of radioactive materials.

2008 to 2009    New Mexico Environment Department    Santa Fe, NM  
*Program Manager*

- Radiation Control Bureau – Manager for radioactive materials licensing and inspection of over 200 Agreement State licensees, and more than 1100 radiation machine facilities. Supervised 7 Environmental Radiation Specialist employees.

2002 to 2008    WVDHHR Environmental Health                      Charleston, WV  
*Program Chief*

- Radiological Health Program – Manager for radioactive materials registration and inspection of over 250 U.S. Nuclear Regulatory Commission (NRC) licensees, and more than 1500 radiation machine facilities. Contact for MQSA inspection and U.S. EPA Radon programs. Supervised 4 Radiological Specialist positions.

1994 to 2002    Maryland Dept. of the Environment                      Baltimore, MD  
*Health Physicist Lead*

- Radiological Health Program - Lead health physicist inspector providing training and technical assistance to other staff for radiation machine inspections and compliance; emergency response for accidents and investigations, or during nuclear power plant response exercises.

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**EDUCATION**

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- 1981-1982 Medical College of Virginia Richmond, VA  
*Biophysics*
- Graduate courses completed during employment as nuclear medicine technologist for MCV-VCU Hospitals
- 1980-1981 Nuclear Medicine Institute Cleveland, OH  
*CNMT, Nuclear Medicine Technologist*
- 1974-1978 Virginia Polytechnic Institute Blacksburg, VA  
*B.S. Biology & Health Physics*

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**SUMMARY OF QUALIFICATIONS**

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- 1978 – 1980 Nuclear Power Health Physics Technician
- 1980 – 1986 Certified Nuclear Medicine Technologist
- 1987 – 1994 Health Physicist Consultant – Medical Imaging
- 1995 – 2009 Program Manager and State Inspector for regulatory compliance with state and federal regulations for the use of radioactive materials, radiation machines and linear accelerators; U.S. NRC State Liaison Officer (2002-2008)
- 2002 – 2008 First Responder, Radiological Incident and Nuclear Power Plant Dose Assessment - Field Monitoring Radiological Survey Team

*Continuing Education*

2007 - FEMA NRP NIMS ICS Emergency Response Courses

U.S. NRC Training Courses:

- 3/23–27/09 H-304: Nuclear Medicine, Houston, TX (40 hours)
- 1/26–30/09 S-201: Increased Controls, Albuquerque, NM (40 hours)

*Professional*

- Plenary Member, Health Physics Society
- Nuclear Medicine Technology Certification Board #006491
- American Registry of Radiologic Technologists

## 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	Radio pharmaceutical 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
<b>TOTAL HOURS</b>			4132					

\* Note:  
Show a breakdown of hours by institution, dates, and subjects. List each hour only once (i.e., under the most applicable subject category)