

Gregory P. Crouch

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EDUCATION

UNIVERSITY OF MINNESOTA
Master of Public Health – Environmental Health Science (1986)

PURDUE UNIVERSITY
Master of Science – Radiological Health Physics (1977)

PURDUE UNIVERSITY
Bachelor of Science – Biology (1975)

ACADEMIC TEACHING

INDIANA UNIVERSITY – School of Public and Environmental Affairs (1993 – present)
Environmental Health Science (H316)
Controversies in Environmental Health (E400/H455/V450)
Radiological Hazard Management (E400/H455)
Nuclear Technology, Health, and the Environment (E400/H455)

PROFESSIONAL EXPERIENCE

INDIANA UNIVERSITY
Director of Radiological Safety (2004 – present)
Direct an administrative unit for the development and implementation of all safety and compliance programs associated with the use of radioactive materials, x-ray devices, and particle accelerators at IUB. This includes oversight of radiological safety activities at the Center for the Exploration of Energy and Matter (CEEM). Recruit, train, and supervise radiological safety staff.
Radiological Security Officer/Reviewing Official (2014 – present)
Develop and administer Security Program and Access Authorization Program required for use of high-level radioactive sources in accordance with new federal security regulations (10 CFR 37).
University Radiation Safety Officer (2012 – present)
Extend all Bloomington Campus RSO functions to the development and maintenance of comprehensive radiation safety programs for any uses of radioactive materials or machine-produced radiation at Indiana University regional campuses.
IUB Radiation Safety Officer (1992 – present)
Develop and manage a comprehensive radiation safety program required for compliance with the conditions of the university's broad scope nuclear materials license with the U.S. Nuclear Regulatory Commission and other federal and state regulations governing sources of ionizing radiation and nonionizing radiation.

Gregory P. Crouch

PROFESSIONAL EXPERIENCE

INDIANA UNIVERSITY

IUB Laser Safety Officer (1993 – 2009)

Developed and implemented a program for the safe use of Class 3B and 4 laser systems on IUB campus in accordance with ANSI guidelines.

Interim Director of BioCompliance (2007 – 2009)

Provided direction in the development of an administrative unit to manage the university's growing biological safety and compliance activities as part of its "Life Sciences Initiative". Provided oversight for the design, development, and commissioning of an ABSL3/BSL3 "Select Agent" containment facility. As the university's "Responsible Official", prepared and submitted the application for site registration to the CDC.

Associate Director of Environmental Health & Safety (1994 – 2001)

Directed the development and administration of departmental safety programs for the research environment at Indiana University. As the EH&S representative to all research related safety and compliance committees, worked with faculty and staff to establish and implement university policies, requirements, and procedures for safety and regulatory compliance in the research environment. Recruited, trained, and supervised research safety staff.

IOWA STATE UNIVERSITY

Health Physics Manager/Radiation Safety Officer (1987 – 1992)

Developed and directed a comprehensive radiation safety program for a campus which included 500 radiation workers, 250 radionuclide use laboratories, a school of veterinary medicine, a 10 kW research reactor, a 10 MeV linear accelerator/meat irradiation facility, 50 analytical and diagnostic x-ray devices, and 75 Class 3B and 4 laser systems. Maintained compliance with the conditions of the university's Type A broad scope materials license and with related state and federal regulations governing the use of sources of ionizing and non-ionizing radiation. Served as a field team commander in the state's radiological emergency response plan.

ILLINOIS DEPARTMENT OF NUCLEAR SAFETY

Chief, Division of Radioecology and Radon (1986 – 1987)

Managed off-site environmental monitoring programs for nuclear facilities throughout the state. Developed and managed a statewide indoor radon program which included an extensive public education effort and a statewide screening. Served as site commander of field teams in the state's radiological emergency response plan.

Head, Inspection/Enforcement Section (1981 – 1984)

Managed the statewide inspection/enforcement program for radioactive material licensees. Supervised and provided training to regional inspectors. Conducted special investigations of incidents involving radioactive material. Assisted Licensing Section in reviewing applications and issuing radioactive material licenses. Served as interstate liaison for the state radiological emergency response plan.

INDIANA UNIVERSITY MEDICAL CENTER

Assistant Radiation Safety Officer (1977 – 1978)

Conducted radiation surveys and compliance audits of laboratories and other radiation facilities. Maintained personnel dosimetry program. Provided radiation safety training to students and staff. Calibrated radiation survey instruments. Managed radioactive material receipt, distribution, and inventory. Operated radioactive waste management program. Maintained all records required for compliance with state and federal regulations.

PURDUE UNIVERSITY

Student Radiation Safety Assistant (half-time) (1976 – 1977)

Conducted radiation surveys of laboratories. Processed incoming shipments of radionuclides for distribution. Calibrated radiation survey instruments. Processed radioactive waste.

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TRAINING CERTIFICATES

Radiological Emergency Response (80 hrs) – U.S. Department of Energy
Nuclear Materials Inspection (40 hrs) – U.S. Nuclear Regulatory Commission
Radioactive Material Transportation (16 hrs) – Dangerous Goods International
Radon Mitigation (24 hrs) – U.S. Environmental Protection Agency
Neutron Dosimetry (40 hrs) – Oak Ridge National Laboratory
Risk Analysis in Occupational Health (24 hrs) – Harvard School of Public Health
Select Agent Compliance (8 hrs) – American Biological Safety Association
BioSafety Certification Review (16 hrs) – American Biological Safety Association
Applied Laser Safety (16 hrs) – Laser Safety Institute of America
Biohazards (32 hrs) – U.S. Occupational Safety and Health Administration
Laboratory Ventilation (16 hrs) – National Institute of Occupational Safety and Health
Laboratory Safety and Health (32 hrs) – U.S. Occupational Safety and Health Administration
Biological Safety for the Health Physicist (8 hrs) – Health Physics Society

SELECT PROFESSIONAL PRESENTATIONS

“Performance-Based, Interactive Radiation Safety Training for the Laboratory Environment”
Health Physics Society Annual Meeting – Providence, Rhode Island (June 30, 2006)

“Regulatory and Operational Issues of a Carbon-14 Field Study”
Midwest Radiation Safety Conference – East Lansing, Michigan (Sept. 20, 1999)

“Safety-Oriented Radiation Safety Programs in the Research Environment”
Big 10 Radiation Safety Officer’s Conference – Chicago, Illinois (Sept 23, 1996)

“Comprehensive, Integrated, Radioactive Waste Management for the University”
Big 10 Radiation Safety Officers Conference – West Lafayette, Indiana (July 23, 1990)

“Indoor Radon: Perspectives on Health Risk”
Governor’s Safety Conference – Des Moines, Iowa (November 13, 1989)

“Mixed Waste Management in the University Environment”
Annual College and University Hazardous Waste Conference – Ames, Iowa (August 1, 1989)

“Loss and Recovery of a Radioactive Sealed Source”
Annual Meeting of the NCCHPS – Chanhassen, Minnesota (May 5, 1989)

“Developing a State Radon Program”
Hubert H. Humphrey Institute of Public Affairs – Minneapolis, Minnesota (April 23, 1987)

PROFESSIONAL ASSOCIATIONS

Health Physics Society (1982 – present)

- Executive Board Member – RSO Section

Hoosier Chapter of the Health Physics Society (1992 – present)

- Past President
- Past Executive Council Member

American Biological Safety Association (1993 – 2010)

Gregory P. Crouch

SELECT PROFESSIONAL ACCOMPLISHMENTS

- Provided oversight for a large scale decommissioning project involving the university's cyclotrons, proton therapy clinic, and materials testing facility. Served as the university's essential liaison with external contractors for this project.
- Designed, developed, and implemented the facility and procedural changes required by the U.S. Nuclear Regulatory Commission for compliance with new federal security requirements (10 CFR 37) for high-level radioactive sources. This included the development and operation of a Security Program and an Access Authorization Program.
- Directed decommissioning and radiological remediation activities for legacy contamination issues within the Physics Building (including an incinerator and radiochemistry lab).
- Provided leadership to university faculty and administration in the staffing and functioning of the Campus Radiation Safety Committee, the Accelerator Safety Committee, and the Proton Therapy Clinic Radiation Safety Committee. Worked with these committees to develop appropriate radiological safety policies and programs.
- Led the effort to develop new campus radioactive waste facilities for the more efficient management of research generated wastes. Directed the decommissioning of the facilities previously used for these operations.
- Developed the complex environmental impact assessment and operational safety procedures required for a large scale study involving the use of radioactive material in the environment. After lengthy negotiations with the U.S. NRC, obtained approval for this project (published in the Federal Registrar) and oversaw its conduct.
- Established professional and technician level staff positions for the operation of radiological and research safety programs. Recruited and trained qualified personnel for these positions and directed the successful accomplishment of their responsibilities.
- Designed and implemented novel "performance-based" training programs for researchers in radiological safety resulting in exceptional and nationally recognized quality and compliance.
- Served in various key positions in State Radiological Emergency Response Plans and associated full scale nuclear reactor exercises involving federal, state, and local agencies.
- Directed the development of the radiological safety program for the first university meat irradiation facility in the United States.
- Provided radiological safety oversight of the conversion of a university research reactor's fuel from high enriched to low enriched uranium.
- Managed environmental monitoring and mitigation efforts associated with Manhattan Project legacy wastes and contamination on a university campus.
- Directed one of the first statewide indoor radon screening programs in the United States.
- Participated in the decommissioning of one of the last Radium Dial Factories in the United States.