

**Robert O. Berry M.S.**  
3 Browning Ave  
Droylsden, Manchester  
011(44) 161 292 7990 (home/work)  
011 (44) 794 903 0098 (cell)  
[berry@foxfirescientific.com](mailto:berry@foxfirescientific.com)

**Education:**

M.S. Health Physics, Texas A&M University, 1992

B.S. Radiation Protection Engineering, Texas A&M University, 1990

**Certifications:**

Engineer in Training (EIT)

Senior Reactor Operator AGN-201 from NRC

Reactor Operator AGN-201 from NRC

**Experience:**

**Senior Health Physicist: Sept 2005-present; Foxfire Scientific Inc.**

Worked at Lawrence Livermore National Laboratory @ National Ignition Facility, conducted practical radiological training for NIF Radiation Workers. Also, performed radiological audits on the maintenance and repair activities and overall general practices. Reviewed procedures and added general and specific radiological controls and requirements to these procedures.

Worked on the NIOSH Energy Employee Occupational Illness Compensation Program - Dose Reconstruction Project first as a Dose Reconstructor and then as one of two specialists for skin cancer dose reconstruction claims for the project.

Worked on several field radiation surveys on oil-field pipe and collected soil samples in support of legal work.

Conducted literature research for expert reports, looked over foreign data bases and libraries.

**Consulting Health Physicist: April 2003- Sept 2005; Foxfire Scientific Inc.**

Set up and ran day to day operations for Foxfire Scientific office.

Helped design and setup a variety of measurement systems to measure the scale and dust produced during pipe cleaning operations from a full sized oil field on laboratory pipe cleaning machine in a laboratory setting.

Worked on Expert Reports for a variety of legal cases, these included personnel exposure to radioactive pipe scale, exposure from mining and milling of Uranium and exposures from the release of gases from Hanford Reservation.

**Facilities Coordinator, Department of Nuclear Engineering Texas A&M University (Laboratory Manager / Safety Manager / Radiological Safety Officer / AGN-201 M Research Reactor Supervisor) from June 1988 - September 2005.**

In this position of Laboratory Manager I purchased all the equipment and chemicals used in the teaching laboratories, set up all the teaching labs, taught safety lectures for all the labs, worked professor in the teaching of the labs to all graduate and undergraduate students in the department.

As Departmental Safety Manager I was in control of the day to day safe operation of all campus laboratories and departmental research facilities. As a member of the Zachry Emergency committee I was responsible for the planning of the safe evacuation of all students and department personnel during all emergencies and in the case of a reactor emergency I was in direct control of the department areas. I also was a member of the Look College of Engineering Safety Committee and as such help to implement state mandated safety measure within the College and my department.

As Departmental Radiological Safety Officer, I worked directly with the University's Office of Radiological Office, to control and to inventory all radioactive materials used by the department of nuclear engineering. I worked directly with departmental personnel to control and monitor the use of radioactive in the research laboratories as well as order those materials for the teaching laboratories. I conducted annual laboratory radiation and safety training for all personnel that worked as research or teaching assistants in the department's laboratories as well as all students taking classes in the laboratories

As Reactor Supervisor of the AGN-201M I directly controlled the operations, maintenance and repair of this research reactor. I supervised reactor operations during the student labs and for all other research activities, assisted in the design of all new experiments and presented them for approval the reactor Safety Board, and directly supervised all student design projects. I worked directly with the NRC on any and all issues concerning the AGN reactor and dealt with the inspector assigned to oversee the AGN. An important aspect of my job was to implement all security measures and programs within the departmental spaces, I worked with the NRC security personnel to designed increased security measures for the facility following September 11<sup>th</sup>. This involved a complete change of security procedures as well as design of several new physical security systems.

**Student Worker / Reactor Operator AGN-201 Department of Nuclear Engineering October 1985 – June 1988.**

**United States Navy: June 1976 – June 1985**

Two years of US Navy schools: Machinist Mate A School; Nuclear Power Schools  
Leading Engineering Laboratory Technician;  
USS Boston SSN-703, June 1982-June 1985; USS Shark SSN-591, June 1978- June 1982

Supervised radiation safety divisions on two nuclear submarines, performed all the radiation surveys and radiochemistry. Performed radiation safety training for all nuclear trained personnel. Coordinated all the maintenance on systems in the Reactor compartment and primary systems location outside the secondary shielding. Engineering Watch Supervisor for two Excellant's on Operation Reactor Safety Exams and two Engineering E's and two Battle E's.

**Professional Affiliations:**

Health Physics Society (Local and National Chapters)  
American Nuclear Society (National Chapter)

**Awards / Appointments:**

Board of Trustees: Roy G. Post Foundation  
Program Advisory Committee (PAC) Waste Management Symposia  
ANS Best Poster Waste Management Symposia in 2005  
Texas Engineering Experiment Station: College of Engineering Safety Excellence Award 2003  
Dwight Look College of Engineering Safety Committee  
Texas A&M University Reactor Safety Board  
Zachry Engineering Safety Committee

**Publications / Presentations :**

Berry RO, Hamilton IS , Cezeaux JR Arno MG , An Overview of a Radiological Assessment from Oil Field Pipe Cleaning Operations, Proceedings from Waste Management Symposia 2005, Tucson Az.

Hamilton IS, Arno MG, Rock JC, Berry RO, Poston JW, Cezeaux JR, Park JM., "Radiological Assessment of Petroleum Pipe Scale and Pipe Rattling Operations," in Health Physics 87(4): 382-396, October 2004

Berry R.O., University Waste Management: Proceedings from Waste Management Symposia 1995

Berry R.O., University Waste Management; Invited Paper, Health Physics Annual Meeting, Philadelphia 1995

**Technical Skills:**

Experience with many types of radiation detectors and detectors systems including Germanium Detection Systems both fixed and portable  
Including Aptec PCMCA Software and CAP 88PC Software