

Developed work packages and activity hazard analyses to support demolition activities, waste and transportation activities, and other fieldwork. Assisted in getting work control documents revised and distributed to project personnel. Provided documentation and assistance as the Emergency Field Coordinator for the evacuation and treatment of uranium hexafluoride residual in pipes from a laboratory used as a pilot plant for gaseous diffusion. Developed MARSSIM survey plans and reports to support demolition of buildings and provided oversight to radiological technicians in performing the fieldwork. Developed sampling and analysis plans for building and waste characterization. Other capacities held and approved under key personnel include ES&H representative and officer, waste packaging specialist, waste management specialist, waste management alternate lead, and transportation specialist. Received recognition for a positive observation from a NTS assessment regarding work package authored for the NTS waste packaging and transportation as well as accolades for assistance in the development of treatment of crushed fluorescent bulbs to meet land disposal restrictions for disposal at EMWMF.

Consultant

Senior Health Physicist

Nov 2002- July 2004

MH Chew and Associates, Inc., Livermore, CA
(Knoxville, TN)

Reviewed and incorporated pertinent information in reports records, reports, and information to be used for dose reconstruction for nuclear weapons workers who may have developed certain work-related illnesses. Developed scientific guidelines used to determine whether a worker's cancer was related to the worker's occupational exposure to radiation. Developed methods used to estimate worker exposure to radiation. Prepared technical basis document used to support Dose Reconstruction regarding Oak Ridge National Laboratory facilities and processes and the Oak Ridge Y-12 Site.

Consultant

Regional Health Physicist

April 2001-Aug 2002

PETNet Pharmaceuticals, Inc., Knoxville, Tennessee

Developed and implemented the Corporate Radiological Compliance Program for Radiation Protection Program and Department of Transportation Program. Developed, managed, and maintained radiation safety and transportation safety training, policies, and procedures to implement the radiation protection program. Developed agreement state, NRC, and international license applications and cyclotron registrations for nuclear pharmacies and cyclotron operations for the production and distribution of radiopharmaceuticals used in Positron Emitting Tomography (PET) imaging studies of patients. Provided oversight and regulatory documentation for proper waste management, transportation, and storage of F-18, used cyclotron targets, chemical units, and other miscellaneous waste generated in manufacturing F-18. Provide corporate oversight of radiation protection program through on-site assessments for over 35 PET pharmacies located in the US.

Project Manager/

Applied Health Physicist/

Senior Radiological Engineer

April 1990-Nov 2000

Martin Marietta Energy Systems/Lockheed Martin Energy Systems/Bechtel Jacobs/Westinghouse Safety Management Solutions

ETTP/K-25 Site, Oak Ridge, Tennessee

Served as project manager for the following tasks: application for DOELAP accreditation for an internal dosimetry program; technical documentation to support exemption requests for 10 CFR 835 requirements; technical specifications of personnel and fixed nuclear accident dosimeters; air monitoring technical basis document; and a radiological operations guide. Provided technical, environmental safety and health, and project support to the K-25 Auxiliary Facilities Demolition Project and other building

demolition projects at ETTP. Evaluated and established controls for work involving packaging, bulking,

and sampling of mixed waste streams including solids, liquids, and sludge for the Legacy Waste Project. Managed the radiological characterization of buildings and areas (~45) for the ETTP Reindustrialization Project. Served as the project manager for the implementation of the Radiological Control Manual at

ETTP. Project manager for two outdoor radiological characterizations of the K-25 Site (Phase I and Phase II) which included the approximately 320 acres at the site including and surrounding environmental remediation sites, UF6 cylinder yards, and other radiological facilities. Managed all waste generated in the outdoor radiological characterizations and prepared paperwork for the transportation of all samples shipped off-site. Managed the K-25 Site Environmental Surveillance Program and coauthored the ORR Environmental Reports.

Health Physicist/Environmental Engineer

Sept 1988-April 1990

PAI/ReeCo, Nevada Test Site Mercury and Las Vegas, Nevada

Provided environmental protection support for operations at the Nevada Test Site (NTS) for DOE/NV. Performed radiological safety and environmental protection functional appraisals and reviewed operations at the NTS for compliance with federal and state environmental regulations. Implemented new technology, products, and procedures for waste minimization for hazardous and radioactive wastes. Developed the quality procedure, implementing procedures, and standard operating procedures for the environmental compliance organization. Technical lead for the development of Resource Conservation and Recovery Act (RCRA) Closure Plans for a leach field and decontamination facility evaporation pond. Technical lead in the application for a RCRA Part B Permit for an explosive ordnance disposal facility.

Radiation Technician

Jan 1985-Aug 1988

Various companies while pursuing education in North Carolina

Performed radiological surveys, personnel monitoring, bioassay analysis, radiological instrument calibration, and research Master's Thesis on extremity dosimeters (NIEHS). Performed radiological surveys for contamination control, managed low level waste for on-site storage, packaging, off-site disposal, and incineration to support research and radioisotope administration at a medical school (ECU). Sampled, performed radiochemical analysis, and performed radioisotope analysis to support environmental monitoring programs for several nuclear power plants (CP&L).

ACTIVE DOE "L" Clearance, Inactive "Q" Clearance

TRAINING

Basic and Advanced Radioactive Material Shipping (DOT 49 CFR 172 sub H), 2005

RCRA Refresher, 2006

BJC Radiological Worker II, 2006

First Aid and CPR, 2005

ETTP Park Worker (GET) 2006

HAZMAT Transportation Security Awareness, 2005

Satellite Accumulation Area, 2005

EAGLE Waste Management and Transportation Required Reading, 2005

NTS Waste Acceptance Criteria Awareness, 2005

HAZWOPER, Asbestos Worker, and Respiratory Physical 2006

Oak Ridge Waste Certification, 2005

Lead Worker Protection, 2005

RCRA Waste Characterization, 2005

RCRA 90 Day Accumulation Area, 2005

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PCB Awareness, 2005
Asbestos Awareness, 2006
Lead Awareness, 2004
HAZWOPER 40 Hour, 2004
HAZWOPER Refresher, 2005, 2006, 2007
Y-12 GET, 2004
USQD, 2000
RESRAD/RESRAD-Build, 1998
WIPP Waste Acceptance Criteria, 1998
MARSSIM, 1997
Hazardous Waste Transportation, 1995
DOT HAZMAT 49 CFR 172 sub H, 49 CFR 107-199, 1995
Radioactive Material Transportation, 1995
Project Management, 1993
RCRA Regulation and Compliance, 1993
HARM-II Modeling Version 2.01, 1991
Environmental Compliance, 1990
NQA 1 Quality Coordinator, 1989
Environmental Regulations, 1988