

## **Richard X. Tom**

### **NNSA/LASO-SABT**

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**CAREER OBJECTIVE:** Work with the best, learn, share, embrace challenges and be judged on successes in meeting commitments and affecting change in a positive manner resulting in a safer work place and mission accomplishment.

#### **EXPERIENCE:**

I have been employed by DOE since 1980 (Albuquerque, Chicago and Idaho Operations Offices). I started my current tenure as a safety analyst in the Los Alamos Site Office (LASO) Safety Authorization Basis Team (SABT) back in October 2000. Since then, I have completed my NNSA/AL-LASO Safety Analyst Qualification Card on November 14, 2001, and served as the Team Leader for the NNSA review of two major documented safety analyses (DSAs) for two Hazard Category 2 Nuclear Facilities (TA-18 and TA-8-23). In addition, as a senior safety analyst, participated and assisted staff in the review of other numerous DSAs and safety authorization bases for other LANL nuclear and non-nuclear facilities. Initiated many process improvements related to the qualification process and how SABT does business.

Prior to transferring to LASO, I was a fully qualified DOE Facility Representative for the Chicago Operations Office (CH) at the Argonne National Laboratory – West (ANL-W) site located on the Idaho National Engineering and Environmental Laboratory (INEEL) in Idaho (1990-2000). I performed oversight for three Hazard Category 2 nuclear reactor facilities, three Hazard Category 2 nuclear non-reactor facilities and three Hazard Category 3 nuclear non-reactor facilities. Other duties involved being the DOE line point of contact for ANL-W Integrated Safety Management System (ISMS) implementation, ANL-W Environment, Safety, Health & Infrastructure4 (ESH&I) Management Plan, Training and Quality Assurance, and being the DOE Price Anderson Amendments Act (PAAA) Coordinator for ANL-W.

(1988-1990) I was a senior project engineer on the Special Isotope Separation Project and facilitated the plutonium processing design aspect of the project. Project was cancelled by congressional action based on mission realignment needs.

(1986-1988) I was the program manager in the Idaho Operations Office for material irradiation programs and isotope production at the Advanced Test Reactor (SIS) located on the INEEL.

(1980-1986) I was a program manager in the Chicago Operations Office extensively involved with field execution of the Liquid Metal Fast Breeder Reactor program in accordance with HQ program guidance, budget/planning and prioritization of work scope by DOE contractors (ANL and Westinghouse).

(1974-1980) I worked six years at Mare Island Naval Shipyard as a shift refueling engineer and equipment engineer. Involved with the defueling/refueling of three Navy nuclear submarines of which two were decommissioned (most notable: USS NAUTILUS).

#### **EDUCATION:**

June 1974      **Bachelor of Science Degree in Mechanical Engineering**  
San Jose State University, San Jose, California

**CERTIFICATIONS/LICENSES:**

Qualified NNSA/AL-LAAO Safety Analyst - 2001  
Certified DOE Facility Representative – 1997  
Certified Accident Investigator – 1984  
California Engineer-In-Training – 1974

**PROFESSIONAL TRAINING SUMMARY:**

Completed 400 hour Shift Refueling Engineer training at Mare Island Naval Shipyard  
Completed 600 hours of DOE Project and Program Management training  
Completed over 400 hours of DOE and OSHA sponsored Environment, Safety and Health related training  
Completed DOE Facility Representative Standard and General Technical Base training

**JOB RELATED ACTIVITIES:**

Past charter member of DOE Criticality Safety Working Group  
Past member of DOE Facility Representative Field Steering Committee

**RECENT ACCOMPLISHMENTS (1997 – PRESENT):**

Currently serving as the Team Leader for the NNSA review of TA-8-23 DSA/TSR submitted to comply with 10 CFR 830, Subpart B.

Team Leader for NNSA review and subsequent July 2002 approval of TA-18 BIO/TSR submitted to comply with 10 CFR 830, Subpart B. Authored Safety Evaluation Report (SER) used by the NNSA approval authority to approved the TA-18 BIO and TSRs.

Completed NNSA/AL-LASO Safety Analyst Qualification - November 2001

Member of the September 2000 DOE ISM Verification Team that reviewed the federal safety management systems established at DOE/AL focusing on Operations Offices processes and interfaces with its Area Offices resulting in identification of opportunities for improvement.

Member of an August 2000 joint Field and HQ review of the ANL-W Plan for updating authorization bases for nuclear facilities resulting in issuance of a formal report used by the DOE approval authority to approve the contractor's plan.

Was requested to serve as a presenter and facilitator for the breakout session on FR performance indicator reporting at the May 2000 FR workshop.

Voting technical member of Chicago Source Selection Board that resulted in the August 2000 award by DOE of a contract to fabricate Tritium Burnable Absorber Rods for commercial reactors.

Team leader for a DOE readiness evaluation team that successfully completed technical review under severe time constraints to assure the safe restart of a radiological facility (Sodium Processing Facility) resulting in accomplishment of a DOE program presidential milestone.

Team member of a DOE readiness assessment that successfully verified contractor readiness to restart a Hazard Category 2 nuclear facility (Fuel Manufacturing Facility) after an unplanned uranium fire.

Was requested and made a presentation in a January 1999 NE sponsored Nuclear Reactor Operations Working Group (NROWG) meeting in Idaho Falls on DOE perspective on upgrading safety documentation.

Facilitated the wording of the Chicago Operations and Argonne Group Functions, Responsibilities and Authorities Manuals (FRAMs), and ensured continuity in the flow down of requirements.

Co-authored authorization agreements that were signed by the CH Manager and ANL Director for all of the Laboratory's nuclear facilities at ANL-W.

Completion of Facility Representative qualification and certification in accordance with the DOE technical standard - August 1997