

**S. Shawn Mohler**  
**Independent Consultant**

**Education**

M.S., Environmental Health, specializing in Industrial Hygiene, Colorado State University, Fort Collins, Colorado, 1999

B.S., Summa Cum Laude, Biology and French, Missouri State University (formerly Southwest Missouri State University), Springfield, Missouri, 1995

**Professional Experience**

**Consultant**

(April 1999–present)

Currently managing tasks related to SOC 2 audits of Risk Assessment Corporation and RACER application. Also involved in development of technical graphics, technical editing and report/document production, assistance in the development of communication strategies, compliance management for ongoing security and administrative tasks, and assistance in the management of projects undertaken by multidisciplinary teams of independent consultants, ensuring that contract and project milestones are understood, tracked, and met.

Coordinated production of final course presentations and material for two RAC risk assessment courses and three risk assessment courses presented by RAC to Nuclear Regulatory Commission (NRC) personnel.

Developed exposure scenarios for veterans involved in nuclear weapons tests conducted primarily at the Nevada Test Site and the Pacific Proving Ground in support of an epidemiological study investigating the lifetime risk of several cancer endpoints associated with relatively low-dose exposures to radiation.

Assisted with exposure assessment and document review for historical dose reconstructions of the Hanford site, the former uranium mill in Uravan, Colorado, the former uranium fabrication facility in Apollo, Pennsylvania, and storage sites for uranium processing residues managed by Mallinckrodt Chemical Works in St. Louis, Missouri.

Worked on the Risk Analysis, Communication, Evaluation, and Reduction (RACER) at LANL project, assisting in the development and maintenance of the project website, developing technical graphics and videos, and assisting with development of the decision support tool. Also, assisted with stakeholder involvement aspects of the RACER at LANL work, as well as in production of project reports.

Provided editorial support and assisted in document conversion for the Rocky Flats Historical Public Exposure Studies. Assisted in the document review process for the Los Alamos (LANL) Historical Document Retrieval and Assessment. For the Cerro Grande Fire public exposure and risk assessment project, compiled information on environmental transport and release of chemicals and investigated the volatilization of chemicals in the fire. Also, assisted in the production of summary report and fact sheets describing the Cerro Grande Fire study and results. Provided quality assurance and quality control review of data files for CDC Task Order 5 (List and Prioritize Radionuclide Releases from the Idaho National Engineering and Environmental Laboratory).

**Practicum**

(Summer 1998)

Performed case study of a decontamination and decommissioning project at the Rocky Flats Environmental Technology Site (RFETS). Correlated air sampling results with surface sampling results, the tasks performed, and other relevant variables.

**Practicum**

(Summer 1997)

Produced a document profiling and characterizing operations involving beryllium throughout the history of the Rocky Flats Environmental Technology Site (RFETS). Presented an overview of the work at the 1997 DOE Occupational Exposure Assessment and Chronic Beryllium Disease Prevention Program Workshop.

**Peer-Reviewed Publications**

- J. E. Till, Harold L. Beck, Jill W. Aanenson, Helen A. Grogan, H. Justin Mohler, **S. Shawn Mohler**, Paul G. Voillequé. 2022. "Dosimetry associated with veterans who participated in nuclear weapons testing." *Int. J. of Radiation Biology*, special issue. (in press).
- Till, J.E., H.L. Beck, J.W. Aanenson, H.A. Grogan, H.J. Mohler, **S.S. Mohler**, and P.G. Voillequé. 2018. "Dosimetry associated with veterans who participated in nuclear weapons testing." *International Journal of Radiation Biology*, DOI: 10.1080/09553002.2018.1551639.
- Beck, H.L., J.E. Till, H.A. Grogan, J.W. Aanenson, H.J. Mohler, **S.S. Mohler**, and P.G. Voillequé. 2017. "Red Bone Marrow and Male Breast Doses for a Cohort of Atomic Veterans." *Radiation Research*, 187(2): 221-228.
- Till, J.E., H.L. Beck, J.W. Aanenson, H.A. Grogan, H.J. Mohler, **S.S. Mohler**, and P.G. Voillequé. 2014. "Military Participants at U.S. Atmospheric Nuclear Weapons Testing — Methodology for Estimating Dose and Uncertainty." *Radiation Research*. 181(5): 471 – 484.
- Till, J.E., H.A. Grogan, H.J. Mohler, J.R. Rocco, **S.S. Mohler**. 2012. "RACER: An Integrated Approach to Data Management, Risk Assessment, and Decision Making." *Health Physics*, 102 (4), April.
- Grogan, H.A., J.W. Aanenson, P.D. McGavran, K.R. Meyer, **S.S. Mohler**, H. J. Mohler, J.R. Rocco, A.S. Rood, J.E. Till and L.H. Wilson. 2006. "Applied Modeling of the Cerro Grande Fire at Los Alamos: An Independent Analysis of Exposure, Health Risk, and Communication with the Public." In *Applied Modeling and Computations in Nuclear Science*. ACS Symposium Series 945. Edited by T.M. Semkow, S. Pommé, S.M. Jerome, and D.J. Strome. American Chemical Society, Washington, D.C.

**Technical Reports**

- Risk Assessment Corporation (RAC). Contributing Authors; J.W. Aanenson, H.A. Grogan, B. Jacobs, G.G. Killough, K.R. Meyer, H.J. Mohler, **S. Mohler**, J.R. Rocco, A.S. Rood, P. Shanahan, E.A. Stetar, L. Hay Wilson, J.E. Till. 2009. *Risk Analysis, Communication*,

- Evaluation, and Reduction at LANL. Ranking Tool Methodology.* RAC Report No. 35-RACER LANL-2008-FINAL. Risk Assessment Corporation. Neeses, South Carolina. April.
- Aanenson, J.W., D. Gonzales, H.A. Grogan, **S.S. Mohler**, J.R. Rocco, E.A. Stetar, L. Hay Wilson, and J E. Till. 2007. *Risk Analysis, Communication, Evaluation, and Reduction at LANL. Stakeholder Involvement Summary.* RAC Report No. 21-RACER LANL-2007-FINAL. Risk Assessment Corporation. Neeses, South Carolina. September.
- Wilson, L.H, J.R. Rocco, **S. Mohler**, E.A. Stetar, H.A. Grogan, H.J. Mohler, J. Wilson, B. Jacobs, P. G. Voillequé and J E. Till. 2007. *Risk Analysis, Communication, Evaluation, and Reduction at LANL. Decision Support Tool Methodology.* RAC Report No. 18-RACER LANL-2007-FINAL. Risk Assessment Corporation. Neeses, South Carolina. July.
- Stetar, E.A, L.H. Wilson, J.R. Rocco, **S. Mohler**, H.A. Grogan and J E. Till. 2007. *Risk Analysis, Communication, Evaluation, and Reduction at LANL. Focus Group Data Evaluation.* RAC Report No. 19-RACER LANL-2007-FINAL. Risk Assessment Corporation. Neeses, South Carolina. July.
- Aanenson, J.W., J. Goldberg, H.A. Grogan, L.H. Wilson, G.G. Killough, K.R. Meyer, H.J. Mohler, **S. Mohler**, J.R. Rocco, A.S. Rood, P. Shanahan, W.K. Sinclair, C. Slack, E.A. Stetar, J. Wilson, J E. Till. 2004. *Risk Analysis, Communication, Evaluation, and Reduction at LANL-Contemporary Risk Assessment: Demonstration of an Integrated Methodology.* RAC Report No. 11-RACER LANL-2004-FINAL. Risk Assessment Corporation. Neeses, South Carolina. December.
- Mohler, S.S.**, J.W. Aanenson, H.A. Grogan, L. Hay Wilson, P.D. McGavran, K.R. Meyer, H.J. Mohler, J.R. Rocco, A.S. Rood, and J.E. Till. 2002. *Analysis of Exposure and Risks to the Public from Radionuclides and Chemicals Released by the Cerro Grande Fire at Los Alamos. Summary Report.* RAC Report No. 5-NMED-2002-FINAL. June 12.
- Rood, A.S., J.W. Aanenson, **S.S. Mohler**, P.D. McGavran, H.J. Mohler, H.A. Grogan, and J.E. Till. 2002. *Analysis of Exposure and Risks to the Public from Radionuclides and Chemicals Released by the Cerro Grande Fire at Los Alamos. Task 1.7: Final Report on Estimated Risks from Releases to Air.* RAC Report No. 3-NMED-2002-FINAL(Rev.1). June 12.