



RICHARD TROAST, PhD
Troast Environmental Consulting, LLC
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AREAS OF EXPERTISE

- Toxicity of Lead and Lead-Based Paint
- Toxicology of Metals
- Laboratory QA / QC
- Environmental Sciences
- Environmental Effects of Toxic Chemicals
- Environmental Assessment

PROFILE

Dr. Troast and associates provide technical consulting assistance to attorneys, public interest groups, local and foreign governments and private citizens. Dr. Troast has over 30 years' experience in pesticides, chemical wastes, remedial site cleanups (i.e. Superfund), hazardous waste requirements, and toxic chemical identification and regulation. His specialties include lead toxicity and exposure, especially from lead paint and contaminated water, arsenic, and cadmium. He has published in peer reviewed journals his findings on lead and its risk.

Dr. Troast has used his extensive experience to provide technical assessments which lay out the risks and exposures to populations of adults or children. Dr. Troast's skills in the use of risk models, especially for lead allow him to make recommendations for remediation of hazardous waste sites at EPA and to support individual clients concerned with lead paint and lead wastes around residences and neighborhoods. During his career at US EPA Dr. Troast was responsible for the continual update of the models in order to be sure the model represented the current science on lead. The IEUBK model was accepted by the highest Peer Evaluators at EPA and was recognized by the National Academy of Science. Dr. Troast received numerous awards while at the USEPA for advancements in Science.

During his career at the USEPA he authored and edited EPA reviews of publications describing the effects of toxic chemicals. He managed lead and asbestos workgroups dedicated to improving the science of lead toxicity and worked closely with other federal and programs to develop new criteria for stronger science particularly in assessing child lead risks. He developed the procedures used for the reassessment of chrysotile asbestos and initiated a review of other asbestos fiber types. Prior to his work in the Hazardous Waste programs of EPA, Dr. Troast was a senior manager and scientist in the chemical assessment program of the Office of Toxic Substances at EPA. His involvement was direct and hands on and was instrumental in providing assessments of many toxic and high production/exposure chemicals. These assessments lead to the chemical industry updating their data files using approved test methods which included good laboratory practices and QA/QC programs. Upon leaving the USEPA, Dr. Troast has also participated in international environmental activities focusing on improving hazardous waste control in the Middle East and has presented seminars in Europe on these topics. He has authored, co-authored or presented many reports on methods for identifying bioindicators of exposure and toxicity of lead and other metals. Dr. Troast has also worked with EPA Programs in assessing hazards of radon gas and residences and radionuclides in drinking water.

SERVICES PROVIDED

Expert witness representation for lead and other hazardous chemicals. Dr. Troast can also conduct broad based comprehensive reviews for assessing exposures to at hazardous waste sites such as National Priority List (Superfund) sites and areas of concern to local populations. Dr. Troast can also provide representation for public and private organizations before regulatory and advisory of governmental organizations.

EXPERIENCE

- Princeton Energy Resources, Inc,
- Syracuse Research Corporation
- US Environmental Protection Agency, US Army

EDUCATION

- Ph.D. George Mason University, 2006, Environmental Science and Toxicology
- M.S. West Virginia University, 1971, Biochemistry
- B.A. West Virginia University, 1969, Biology

PROFESSIONAL MEMBERSHIPS

Society of Toxicology; American Chemical Society; American Association for the Advancement of Science; Society of Environmental Toxicology and Chemistry