



Uni Blake  
 Senior Policy Advisor  
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**UNI BLAKE, MS**  
 Senior Policy Advisor

## **PROFESSIONAL PROFILE**

Uni Blake is a Senior Policy Advisor at the American Petroleum Institute (API). She has over 20 years of multidisciplinary professional experience in the environmental health field, focusing on exposure assessment, human health risk assessment, and chemical and toxicological regulatory compliance. As part of her product stewardship and chemical management work portfolio, Ms. Blake represented the oil and gas industry as a member of an EPA established rulemaking committee under the Federal Advisory Committee Act (FACA). The committee was convened to negotiate a proposed rule under subsection 8(a) of the Toxic Substance Control Act (TSCA). She has also written technical comments and provided oral testimony in response to EPA's proposed rules or actions under EPCRA Section 313 (Toxic Release Inventory (TRI) Program), the revised Toxic Substances Control Act (TSCA), and USEPA's Endocrine Disruptor Screening Program (EDSP). Over the past fifteen years, Ms. Blake has worked as an environmental health scientist, evaluating health risks related to the industry sector including the oil and gas industry emissions via different exposure pathways. Ms. Blake currently spearheads API's health research and responses related to the potential of environmental health risk concerns related to the emissions from oil and gas operations and facilities. She was invited to present at two of EPA's "*Study of Hydraulic Fracturing and Its Potential Impact on Drinking Water Resources*" technical workshops which were foundational to EPA's multiyear research on the hydraulic fracturing and water. She also critically reviews the state of science, looking for opportunities for health research projects and collaboration opportunities. She has testified before legislators in different states on public health risks associated with oil and gas industry's activities in response to legislative and regulatory proposals.

## **EDUCATION**

Current	George Washington University, Washington DC Doctorate in Public Health Candidate (Environmental and Occupation Health)
1993	American University, Washington, DC Master of Science, Toxicology
1988	The College of Wooster, Wooster, Ohio Bachelor of Arts, Chemistry

## **PROFESSIONAL ASSOCIATIONS**

Society of Toxicology – Member	Society for Risk Analysis - Member
Women in Energy – Member	

## RELEVANT PROFESSIONAL EXPERIENCE

### AMERICAN PETROLEUM INSTITUTE (API)

#### 2014 - Present

##### Senior Policy Advisor

- Critically review and analyze local, state, and federal laws, regulations, programs, and policies that pertain to risk assessments, environmental and public health, and product stewardship to identify research priorities and support the development of the oil and gas industry's relevant policy positions.
- Support the development and implementation of research in response to concerns related to health risks associated with emissions from the oil and gas industry's operations and facilities
- Provide technical comments in response to local, state, federal, and global regulatory and legislative initiatives related to the oil and gas exploration and production activities, chemical management, and the siting of facilities.
- Serve as an industry environmental health expert to legislators, regulators, and communities on initiatives related to public health concerns.

##### Scientific Advisor

- Provide technical-scientific support related to the identification and prioritization of immediate and long-range research projects related to public health, endocrine disruptor issues, and product stewardship.
- Co-sponsor symposiums at conferences to share and exchange information on research that evaluates the potential of health effects related to emissions from industry
- Develop comments in response to local, state, federal, and global regulatory and legislative initiatives related to the oil and gas activities and products.
- Represent the oil and gas industry on federal and national-level committees charged with addressing public health and chemical management issues
- Critically review and assess the literature and other sources of information to provide an appraisal of the state of the science and to identify information gaps.
- Participated in the multi-stakeholder development of an oil and gas exploration and production long-range research agenda and strategy designed to conduct high-priority research that ensures the protection of public health during industry operations.

### INDEPENDENT CONSULTANT 1998 - 2014

- Developed guidance and best management practice documents in water resource management for an oil and gas industry client. The guidance documents included a water sampling and analysis plan, data analysis plan, and decision-making protocols.
- Provided technical expertise on issues related to addressing human health risks associated with energy development initiatives.
- Developed water quality criteria and conducted human health risk analysis related to an NPDES permit variance application associated with installing a passive dewatering facility from a dredging exercise.
- Monitored and statistically analyzed water quality data for potential groundwater migration human exposure under an RCRIS Corrective Action at a land farm

## SELECTED PRESENTATIONS AND PUBLISHED ARTICLES

Poster Presentation: “The Impact of Treated Effluent from as Passive Dewatering Facility to Human Health and Aquatic Life.” SETAC 19th Annual Meeting, Charlotte, NC 1998

Abstract and Oral Presentation: “Designing a Water Quality Program for Shale Exploration.” USEPA Hydraulic Fracturing Study, Technical Workshop: Chemical and Analytical Methods: February 2011

Abstract and Poster: “Chemical transformations of 2, 2-Dibromo-3-nitrilopropionamide (DBNPA).” USEPA Hydraulic Fracturing Study, Technical Workshop: Fate and Transport: March 2011

Presentation: *Health and Environmental Consideration Associated with Natural Gas Development* Presentation to the Town of Hartwick. May 2011

Presentation: *Toxicology and the Extraction Industry* Business Council of New York’s Industry-Environment Conference, October 28 -29, 2011

Presentation: *Communities of Two Minds on Potential Health, Environmental and & Social Impacts* Presentation to the Town of Morris. August 2012

Presentation: *Brown Bag Musings: An Analogy of Risk* Sustainable Task Force Panel discussion on Natural Gas Development, State University of New York, Oneonta on April 26, 2012

Abstract and Oral Presentation: “Evaluation of Water Quality Monitoring Programs and Statistical Analysis Tools to be utilized in Shale Development.” USEPA Hydraulic Fracturing Study, Technical Workshop: Case Studies: May 2013

Blake U. “A Literature Review of Health Outcomes related to Oil and Gas Upstream Operations”. White Paper 2014

Abstract and Poster: “Using google trends as a surveillance tool for health concerns related to unconventional resource development.” Society of Toxicology, San Diego, California March 2015

Discussion Leader: “Health and Social Responsibility: The Role of the Oil and Gas Industry in Community Health” SPE Forum Series, June 2015

Presentation: “Unconventional Oil and Gas and Hydraulic Fracturing: The Process and Exposure Pathways.” International Society of Exposure Sciences (ISES), Henderson, Nevada October 2015

Blake U. “The Unconventional Oil and Gas Process, and an Introduction to Exposure Pathways” Chapter in: *Environmental and Health Issues in Unconventional Oil and Gas Development*, 1st Edition Debra Kaden, Tracie Rose ISBN 9780128041116

Abstract and Poster: Air quality and unconventional oil and natural gas development: A systematic review of the literature from a public health perspective, Naufal Z, Blake U Society for Risk Analysis, San Diego, CA December 2016

Abstract and Oral Presentation: An Analysis of the Use of Various Health Assessments Tools in the Natural Gas and Oil Development Sector Blake U, International Society of Exposure Sciences, Ontario, CA, October 2018

Abstract and Oral Presentation: Natural gas emissions to potential health outcomes alignment matrix: A systematic framework that aligns protective risk management actions to an environmental public health continuum Blake U, McMullen T, Bamber A, ACS, Philadelphia, March 2020