



## DANIEL P. VERDONIK, Eng.Sc.D.

Director, Regulatory Programs

**Experience:** 31 Years

**Joined JENSEN HUGHES:** 1995

### Education

Eng.Sc.D., Chemical Metallurgy,  
Columbia University, 1988

M.S., Mineral Engineering and  
Chemical Metallurgy, Columbia  
University, 1984

B.S., Chemistry, Muhlenberg  
College, 1982

### Associations

- Member, United Nations  
Environment Programme,  
Technology and Economic  
Assessment Panel

### Committees

Co-Chair, United Nations  
Environment Programme, Halons  
Technical Options Committee

### Contact

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Daniel P. Verdonik, Eng.Sc.D., is a Director with over 31 years of experience. He has specialized in environmental issues related to fire protection methods and materials including halons, hydrofluorochlorocarbons, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and firefighting foams. He maintains involvement in various United Nations Environment Programme organizations. He is a co-chair of the Halons Technical Options Committee and a member of the Technology and Economic Assessment Panel (TEAP), and has served as the lead author of the fire protection chapter for the Intergovernmental Panel on Climate Change (IPCC)/TEAP Special Report on Safeguarding the Ozone Layer and the Global Climate System, Issues Related to HFCs and PFCs.

### PROFESSIONAL HIGHLIGHTS

**Director, Regulatory Programs, JENSEN HUGHES, Baltimore, MD, 1995–present.** Over 20 years of experience providing direct program management and technical services in the reduction and elimination of halons and other ozone-depleting chemicals, global warming chemicals, and hazardous materials. Provide consulting services on environmental issues related to fire protection methods and materials including halons, HCFCs, HFCs, PFCs and foams for U.S. Department of Defense (DoD), U.S. Environmental Protection Agency (EPA) and fire protection industry. Provide fire protection sector-specific data including usage and emissions factors for U.S. EPA vintage models on halon and global warming gas usage and emissions within the U.S. and global fire protection sectors. Developed and continually update models to predict current and future halon and greenhouse gas usage and emissions in the global fire protection sector. Served as Chair of the Greenhouse Gas Emissions Estimating Consortium Technical Committee coordinating the development of all of the sector models. Participated on Montreal Protocol/ United Nations Environment Programme Scientific Assessment Panel as co-author of Long-lived compounds, Chapter 1 in Scientific Assessment of Ozone Depletion: 2006 and Ozone-Depleting Substances (ODSs) and Related Chemicals, Chapter 1, Scientific Assessment of Ozone Depletion: 2010. Participated in Halons Technical Options Committee Assessments in 1991, 1993, 1994, 1998 and 2002, and co-led development of the Assessments in 2006, 2010 and 2014. Served as Coordinating Lead Author on the fire protection chapter for the Intergovernmental Panel on Climate Change (IPCC)/Technology and Economic Assessment Panel (TEAP) Special Report on Safeguarding the Ozone Layer and the Global Climate System, Issues Related to HFCs and PFCs. Served as Lead Author (fire protection) for the 2006 IPCC Guidelines for National Greenhouse Gas Inventories. Serve as lead for the Montreal Protocol efforts to work with the International Civil Aviation Organization (ICAO) to eliminate halons in civil aviation.

## PROFESSIONAL HIGHLIGHTS (CONTINUED)

**Director, Army ODC Elimination Program, Army Acquisition Pollution Prevention Support Office, Alexandria, VA, 1991–1995.** Developed the 7-year \$750 million program; developed policy and technical requirements for Program Managers and Installation Commanders; evaluated and programmed funding; directed R&D, testing, and procurement projects; directed review and modification of specifications and standards; represented the Army with industry and professional organizations; and provided direct guidance to the Army Acquisition Executive and other senior leadership. Authored Strategic Plan for Eliminating ODCs in Weapon Systems, and co-authored updated Strategic Plan to include all Army uses for publication by the Assistant Secretaries of the Army for Research, Development and Acquisition; and Installations, Logistics and Environment. Served as the Army representative to the DOD Clean Air Act Committee, Title VI Subcommittee; United Nations Environment Programme; and NATO Committee on Challenges of Modern Society (CCMS). Under his leadership, the U.S. Army received the U.S. EPA Stratospheric Ozone Protection Award in 1992. Personally received the U.S. EPA Stratospheric Ozone Protection Award in 1995. Conducted environmental analyses and pollution prevention assessments for ozone-depleting substances, global warming chemicals, cadmium, chromium, and other hazardous materials. Developed and presented pollution prevention training courses at the Army Logistics Management College, School of Engineering Logistics, and Major Subordinate Commands to the Army Materiel Command. Developed Cadmium Elimination Plan to begin to build the Army-wide program. Served as one of the two Army representatives to the DOD Task Force to develop policy and guidance in implementing pollution prevention for the Department of Defense. Worked closely with other Defense departments and agency counterparts to develop and implement Pollution Prevention and Community Right-to-Know requirements as required under Executive Order 12856, "Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements." Selected for a 4-month assignment to the Office of Secretary of Defense. Developed draft DoD report on acquisition reforms required to integrate environmental and pollution prevention concerns into weapon system development. Member Army Acquisition Corps, certified at Level III.

**Team Leader, Army Corrosion Center of Excellence and Materials Technology School, Materials Technology Laboratory, Watertown, MA, 1989–1991.** Provided first level management for two separate teams of 15 professionals and staff. Defined program areas for the Army-wide Corrosion and Non-Destructive Evaluation Training and Certification Programs: developed new program areas, defined R&D goals, and secured funding sources for both areas. Selected for a 4-month assignment in the Office of the Secretary of Defense. Materials expert on the DoD Acquisition Pollution Prevention Task Force to prepare a Congressional Report. Modified Comanche Helicopter contractual documents for inclusion of pollution prevention. Authored Corrosion Survey Report of Army weapon systems in Europe used to design and engineer modifications to fielded weapons systems.

**Materials Engineer, Army Corrosion Center of Excellence, Watertown, MA, 1987–1989.** Began as staff engineer and promoted to senior engineer in April of 1989. Led teams to evaluate corrosion and determine corrective actions on multi-million dollar fielded systems. Senior Army Corrosion engineer on Government/Contractor teams to develop and implement engineering changes on the Apache, Blackhawk, Chinook and Kiowa Helicopters, and the Family of Medium Tactical Vehicles. Developed Corrosion Management Training for senior Army leadership. Authored Army Materiel Command Pamphlets, "Policy and Procedures for Conducting Corrosion Surveys" and "Implementation of Corrosion Prevention Action Teams."

**Metallurgist, John K. Tien, Inc. and Paul F. Duly Consultants, New York, NY, 1985–1987.** Performed investigatory work in the field and the laboratory on corrosion induced failures: steel embedment in mortar and concrete in buildings for multi-million dollar litigation cases. Analyzed hot corrosion of turbine hardware for patent dispute.

## PROFESSIONAL STANDING

### Awards

Civil Aviation Halon Transition Team Award, Stratospheric Ozone Protection Awards, U.S. EPA, 2008  
 The Montreal Protocol TEAP Champion Award, United Nations Environment Programme, 2007  
 "Best of the Best," Stratospheric Ozone Protection Award, U.S. EPA, 1997  
 Commanders Award for Civilian Service, Department of the Army, March 1995  
 Stratospheric Ozone Protection Award, Individual Award, U.S. EPA, 1995  
 Special Act Commendations, Department of the Army, 1988, 1990, 1991, and 1995  
 Performance Awards, Department of the Army, 1991, 1992, 1993, and 1994  
 Military Chairperson, International CFC & Halon Alternatives Conference, 1993 and 1994  
 Stratospheric Ozone Protection Award, Corporate/Government Agency Award, U.S. EPA, 1992  
 William Campbell Fellow, Columbia University, 1985–1986