

HARPER ENVIRONMENTAL

BIOGRAPHICAL

DARRYL J. CALKINS, PE

Civil Engineer

334 Quechee Road, Hartland, VT 05048

EDUCATION

U. of Iowa, Dept. of Mechanics & Hydraulics, Academic year-1976-77

MSc., Water Resources Engineering, University of New Brunswick, 1970

B.S., Civil Engineering, University of Maine, 1969



CURRENT PROFESSIONAL AFFILIATIONS:

American Society of Civil Engineers

VT Society of Professional Engineers

PROFESSIONAL EXPERIENCE: Darryl's background covers 35 years of multi-discipline R&D technical and managerial experience with the US Army Cold Regions Research and Engineering Laboratory in Hanover, NH and he retired in June 2006 as Technical Director.

- Authored over 80 publications in peer-reviewed journals, book chapters, conference proceedings and laboratory technical reports.
- Served as Chief of the Geological Sciences Division for 15 years supervising a multi-discipline staff of engineers and scientists (chemists, ecologists, biologists, etc)
- Technical Director for Civil Works and Environmental Sciences (military related) R&D.
- In 2006 he received the Bronze de Fluery Medal for his lifetime contributions to the U.S. Army Corps of Engineers.
- Provided hydraulic engineering consulting advice on many large hydro-electric projects. In Canada the clients included BC Hydro, Manitoba Hydro, Northwest Hydraulic Consultants and Ontario Hydro for the Nechacko, Churchill, Liard and Ottawa Rivers respectively; the Mohawk, Susquehanna, and Delaware Rivers in New York, the Lamoille, Missisquoi, Ottauquechee, Winooski and other streams in Vermont,
- In addition, he has worked on several small rural water and wastewater projects during his 30+ year career in Vermont and New Hampshire. He continues to work with several consultants and small contractors in the Upper Valley helping them through the maze of Vermont environmental regulations in getting Act 249 and Act 250 projects approved. His current interest is the use of constructed wetlands for wastewater treatment, where he's designed 3 systems for home owners in Vermont and is currently upgrading and expanding a constructed wetland treatment system for a golf course/condominium project in Southern New Hampshire.

RECENT PRESENTATIONS:

1. Keynote Speaker: ASCE Conference—Earth and Space 2006. March 2006 Houston, TX
2. Invited Speaker: Lunar Geomechanics Workshop: Colorado School of Mines. Oct 29, 2007

Harper Environmental Inc: Plymouth, VT

March 2008-Present Part time (Civil & Environmental Engineering)