

THOMAS E. HATTON
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(908)362-5616

EXPERIENCE:

2010 to present: CEO, Vapor Dynamics LLC. Vapor Dynamics specializes in energy saving technologies and remote monitoring software for environmental systems.

2007 to present: President, Clean Vapor LLC, NJDEP MIT 10245 and NJDEP MES 10245. Clean Vapor specializes in Vapor Intrusion and Radon Remediation Plan Design and Installation of Mitigation Systems. The company's focus is on remediation of existing commercial buildings and preconstruction design solutions for new schools and buildings that may be impacted by Vapor Intrusion or Radon.

2001 to 2007: Project Director, Radiation Data, Inc., Alpha Concepts division, NJDEP MIB 90016 and NJDEP MEB 90016. Responsible for system design and installation of commercial and residential soil depressurization systems. Management responsibilities include providing direction for three to five ongoing commercial remediation projects and nine to fourteen residential remedial systems per week. Included is oversight of office staff, new business development and managing testing services and client report presentation.

1987 to 2001: President, Alpha Concepts, Inc., Hopatcong, NJ. NJDEP MIB 90049 and MEB 90049. Alpha Concepts, Inc. St Petersburg, FL. 1989-1996 Florida HRS licensed Radon Remediation Business and Florida HRS licensed Radon Measurement Business. Responsible for radon contract procurement, management of all major projects, and management of company assets, health and safety training, personnel exposure monitoring, mitigation system design.

1988 to 1993: Vice-President, Pineda Products, Inc., Melbourne, FL. Responsible for research and development of solid state radon gas detection instruments, distribution of a national sales catalog, presentation of technical papers featuring new equipment and diagnostic procedures.

1984 to 1988: Roy F. Weston, Inc., Atlanta, GA, & Edison, NJ. Member of Weston Project Management Team. Principal Investigator for the USEPA, Radon Home Evaluation Project. Developed the first generation of models to predict the attenuation rate of VOC's in structures in Bowling Green, KY using building profile, wind speed, rain fall, temperature and barometric differentials as variables. Co-managed the ECRA closure of US Steel's Trenton, NJ Wire Rope Plant, the environmental closure of the Reading, PA Allied Prestolite battery plant, Implemented onsite treatment of sub-surface oil sludge, Sunoco, Marcus Hook, PA Refinery, Implemented Health and Safety Plans, installation of monitored wells, performed geophysical earth logging and mapping, soil gas sampling, personnel supervision. Presented seminars in radon diagnostics, radon mitigation procedures, quality assurance, ambient air monitoring, chemical spill response, hazardous waste sampling, and Federal Occupational Safety and Health Training compliance with 40 CFR 1910.

1984: Ardaman & Associates, Inc., Consulting Engineers, Sarasota, FL. Assessed soil permeability and bearing strata, inspected foundation installations, structural steel, compression and flex testing of concrete and evaluated specific building materials against ASTM standards.

KEY PROJECTS:

See Clean Vapor LLC [Qualifications & Experience](#) for Project Descriptions

EDUCATION:

B.S. Natural Science, Bryan College, Dayton, TN 1984

CREENTIALS:

NJDEPE Certified Radon Mitigation Specialist, MIS 10245 (1991 to current)
NJDEPE Certified Radon Measurement Specialist, MES 10245 (1991 to current)
Radon Mitigation in Schools Certification, Cook College / US EPA
Assistant Instructor US EPA Eastern Regional Training Center
National Environmental Health Association, National Radon Proficiency Program, Residential Mitigation
Provider ID 104705 RMT Expiration 11/30/11
Past President – Garden State Radon Council
Past President – Garden State Association of Radon Scientists and Technologists
Past National Board Member, Current Member - Association of Radon Scientists and Technologists
Hazardous Waste, Radiation Health and Safety Training – R.F. Weston,
Level B Site Safety Officer – R.F. Weston Company
OSHA Supervisor Regulation 29 CFR 1910.120
First Aid, American Red Cross
CPR defibrillator certified
Loss Prevention Systems trained
American Petroleum Institute, Service Station Contractor Safety Certified
Delaware Valley Safety Council Certified
Transportation Worker Identification Credential, issued by TSA
Fundamentals of Hydrology Management, USEPA
Air & Waste Management Association, Member
New Jersey Technology Council, Member
Honorable Member of Who's Who in Executives and Professionals – 1994-1995

RECENT PUBLICATIONS:

2012 Air and Waste Management Association (AWMA) Vapor Intrusion Symposium, Denver, CO.
Applying Dynamic Controls to Vapor Intrusion Mitigation Systems to Manage Pressure Differentials, Effluent Concentrations and Energy Conservation

2011 Naval Facilities Engineering Command (NAVFAC)
Mitigation of Vapor Intrusion in Existing Buildings (authored under contract with Battelle)

2011 NAVFAC Assessing
Building Sites and Integrating Vapor Intrusion Resistant Construction Techniques (authored under contract with Battelle)

2010 AARST International Radon Symposium, Columbus, OH.
Designing Efficient Sub Slab Venting and Vapor Barrier Systems for Schools and Large Buildings (received the Industry's award for best technical paper of 2010)

2010 Air and Waste Management Association (AWMA) Vapor Intrusion Symposium, Chicago, IL.
High Vacuum, High Airflow Blower Testing and Design for Soil Vapor Intrusion Mitigation in Commercial Buildings

2009 (AWMA) Vapor Intrusion Symposium, San Diego, CA.
Evaluating Large Buildings and Assessing the Feasibility of Applying Active Soil depressurization as a Remedial Solution for Vapor Intrusion

2009 AARST International Radon Symposium, Las Vegas, NV
Whole Building Ventilation of High Rise Condominium With Elevated Radon From Concrete