

Joseph E. Haas II, M. Sc., P. HG., P. EG

Objective	To continue to advance my knowledge, skills and position in the professional fields of hydrogeology, engineering geology and project management.	
Summary of Experience	<p>1989 – 2008 New York State Department of Environmental Conservation (NYSDEC) at Stony Brook, New York, 11790</p> <p>Engineering Geologist</p> <ul style="list-style-type: none"> - Supervise, direct and provide technical guidance for the NYSDEC, Division of Environmental Remediation, Bureau of Spill Prevention & Response - Region-1, Remediation Section (5 Geologists and Engineers) with expenditures of approximately \$4 million per year; - Project Manager for over 90 publicly funded environmental cleanup sites; - Provide technical training and support to government agencies regarding remedial site characterization and remedial system design; - Assist in the development and review of technical guidance documents, standard operating procedures and contracts; - Make frequent presentations at both technical and public meetings; - Provide expert testimony as part of environmental contamination litigation. 	
Education	<p>1993 - 1997 State University of New York, University at Stony Brook, New York</p> <p>Master of Science: Geological Sciences - Concentration in Hydro-Geology</p>	
Additional Technical Training Courses	<ul style="list-style-type: none"> - Monitored Natural Attenuation and Risk Mgt. for MTBE and TBA in Ground Water; - Parameter Estimation and Model Predictive Uncertainty Analysis Featuring Pest; - Managing Uncertainty with Systematic Planning for Environmental Decision Making; - Modeling Subsurface Hydrocarbon Transport and Natural Attenuation; - Advances in Characterizing Ground Water Movement Through Glacial Sequences; - Strategic Technology Exchange Workshop on Air-Sparging; - MTBE Biodegradation Workshop; - Applied Environmental Statistics; 	<ul style="list-style-type: none"> - Computer Modeling of Natural Attenuation and Bio-remediation Systems; - Techniques for Characterizing Ground Water Flow and Contaminant Transport in Fractured Rock; - Design, Conducting and Analyzing Aquifer Pumping Tests; - Practical Modeling of Pump and Treat Systems Using ModFlow, Path3D and MT3D; - Assessment, Control and Remediation of LNAPL Contaminated Sites; - IBM PC Application in Ground Water Pollution and Hydrology; - Monitored Natural Attenuation in Ground Water; - Excavation Training (Trenching & Shoring).
Health & Safety Training / Other Courses	<ul style="list-style-type: none"> - HAZWOPER: Annual Refresher (8 hour) March 16, 2006; - HAZWOPER: Health and Safety Operations at Hazardous Materials Sites for Supervisors (8 hour); - HAZWOPER: Health and Safety Operations at Hazardous Materials Sites (40 hour); - Radiation Safety Training (4 hours); - Community CPR & Community First Aid; - Challenges in Supervision and Management; - Business Grammar and Usage for Professionals. 	
Commendation & Awards	<p><u>Letter of Appreciation:</u> Ground Water Monitoring & Remediation, December 16, 2005;</p> <p><u>Outstanding Ground Water Project in Ground Water Remediation Award:</u> National Ground Water Association (Project Team Member as NYSDEC Project Manager), December 13, 2004;</p> <p><u>Certificate of Commendation:</u> NYSDEC, November 1, 2004;</p> <p><u>US EPA, ORD Special Recognition Award:</u> Exceptional Support to ORD - US EPA, September 17, 2003;</p> <p><u>Letter of Commendation:</u> NYSDEC, August 5, 2003;</p> <p><u>Memorandum of Appreciation:</u> NYSDEC, May 23, 2003;</p> <p><u>Letter of Commendation:</u> NYSDEC, May 31, 1996.</p>	
Professional Memberships & Accreditation	<p>National Ground Water Association - Association of Ground Water Scientists and Engineers;</p> <p>New York State Council of Professional Geologists;</p> <p>Association of Engineering and Environmental Geologists;</p> <p>Professional Hydro-Geologist #1518 (American Institute of Hydrology);</p> <p>Licensed Professional Geologist #102 (State of New Hampshire);</p> <p>Licensed Professional Geologist #499 (State of Washington);</p> <p>Engineering Geologist & Hydrogeologist Specialty License #499 (State of Washington).</p>	

<p>Additional Professional Activities</p>	<p>Auxiliary Reviewer: Ground Water Publishing Company;</p> <p>Member and Training Coordinator: Interstate Technology & Regulatory Council (ITRC) MTBE and Other Fuel Oxygenates Team;</p> <p>Participating Member: Association of State and Territorial Solid Waste Management Officials MTBE Working Group;</p> <p>Session Organizer & Moderator: Remedial Technologies, US EPA, OUST, 18th Annual National Tanks Conference & Expo, Memphis, TN., March 20 – 22, 2006;</p> <p>Instructor: Modeling Management Course – Ground Water Modeling Management and Application for Decision Making Sources of Uncertainty in Ground Water Modeling: Identification, Calculation & Management, EnviroCourses.org Solutions via Applied Sciences Associates, SUNY Stony Brook, Stony Brook, Nov. 14, 2006;</p> <p>Instructor: MTBE & Other Fuel Oxygenates: Comprehensive Site Assessment and Successful Ground Water Remediation, American Petroleum Institute (API), Long Island Ground Water Institute (LIGRI), Reno, NV., March 6 - 7, 2006; San Francisco, CA., August 11-12, 2005; Leipzig, Germany, May 30 – 31, 2005; Rungstedgaard, Denmark, May 26 - 27, 2005; Madison, WI., April 22, 2005; Denver, CO, December 16 - 17, 2004; Bordentown, NJ., May 10 - 11, 2004; Stony Brook, NY., December 16 - 18, 2003;</p> <p>Invited Presenter: Cleanup Track: Monitoring and Remediation of MTBE and Other Ether Oxygenates, US EPA, OUST, 17th Annual UST / LUST National Conference Seattle, WA, March 14 – 17, 2005;</p> <p>Presenter: 2nd European Conf. on MTBE, Institut d'Estudis Catalans, Barcelona, Spain, Nov. 4 - 5, 2004;</p> <p>Invited Presenter: Cleanup Track: Investigation Tools, US EPA, OUST, 16th Annual UST / LUST National Conference New Orleans, LA, March 1-3, 2004;</p> <p>Session Organizer & Moderator: Site Investigation Methods, US EPA, OUST, 15th Annual UST / LUST National Conference, San Francisco, CA, March 10 – 12, 2003;</p> <p>Invited Presenter: Biological Treatment of MTBE Contamination in Ground Water: Ex-situ & In-situ Challenges, Ground Water Resources Association of California – 5th Symposium on Ground Water Contaminants, San Jose, CA, October 17, 2002.</p>
<p>Authored and Coauthored Publications and Conference Papers</p>	<p>Overview of Ground Water Remediation Technologies for MTBE and TBA, Interstate Technology & Regulatory Council, Washington, D.C. February 2005, 132 Pages.</p> <p>Monitored Natural Attenuation Forum: A Panel Discussion, Guest Panel Member, The Journal of Environmental Cleanup Costs, Technologies and Techniques, 2004. Vol.15, No.1, 122-123.</p> <p>Case Study: Manipulating Ground Water Redox Conditions for MTBE Remediation, Battle's 6th International Symposium on In Situ and On-Site Bioremediation, San Diego, California, June 4-7, 2001.</p> <p>A Cost-Effective Expedited Site Assessment Methodology: Application to Three Dimensional Delineation of Dissolved MTBE and BTEX Plumes, NGWA Focus Conference - MTBE in Ground Water: Assessment, Remediation Technologies and Public Policy, Baltimore, Maryland, June 4-5, 2001.</p> <p>A Field Application of Hydrogen Releasing Compound (HRC) for the Enhanced Bio- Remediation of Methyl Tertiary Butyl Ether (MTBE), Proceedings of the 17th Annual Conference on Contaminated Soils, Sediments and Water, University of Massachusetts at Amherst, MA, October 16-19, 2000.</p> <p>Comparative Evaluation of MTBE Sites on Long Island, US EPA Workshop on MTBE Bio- remediation, Cincinnati, Ohio, February 1-3, 2000.</p> <p>Comparison of Four MTBE Plumes in the Upper Glacial Aquifer of Long Island, American Geophysical Union Fall Meeting, San Francisco, California, December 13-17, 1999.</p> <p>Characteristics of Gasoline Releases in the Water Table Aquifer of Long Island, Proceedings of 1999 Petroleum Hydrocarbons and Organic Chemicals in Ground Water, API/NGWA, Houston, Texas, November 17-19, 1999, page 262. (Similar information was provided to the EPA Blue Ribbon Panel in June 1999 under the title: Characteristics of Four Gasoline Release Sites on Long Island).</p> <p>Analysis and Simulation of the Gasoline Spill at East Patchogue, New York, American Geophysical Union, San Francisco, California, December, 6-10, 1998.</p> <p>Smart Pump & Treat Strategy for MTBE Impacting a Public Water Supply Well Field, Proceedings of the 14th Annual Conference on Contaminated Soils, Sediments and Water, University of Mass. at Amherst, MA, October 19-22, 1998, page 401.</p> <p>Physiochemical Speciation of Iron and Manganese in Petroleum Contaminated Ground Water by Size Fraction using Ultrafiltration, SUNY Stony Brook M. Sc. Report, Stony Brook, NY, May 1997, 29 pages.</p> <p>Analysis of the Gasoline Spill at East Patchogue, New York, Proceedings of Non- Aqueous Phase Liquids (NAPLs) in Subsurface Environment: Assessment and Remediation, ed. L. Reddi, American Society of Civil Engineers, Washington, D.C., November 12-14, 1996, pages 707-718 (see: http://www.epa.gov/ada/patchoque.html).</p>