

## Joel W. Hennessy

U.S. Environmental Protection Agency  
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### EMPLOYMENT

**Geologist** **10/88 - Present**  
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION III PHILADELPHIA, PA

Environmental investigation and clean up utilizing authorities of the Resource Conservation and Recovery Act.

**Evening Instructor** **9/90 - 12/94**  
PENNSYLVANIA STATE UNIVERSITY, OGONTZ CAMPUS ABINGTON, PA

Taught introductory geology in the Fall semesters.

**Senior Geophysicist** **8/83 - 10/88**  
EXXON COMPANY, USA MIDLAND, TEXAS

Subsurface geologic exploration for oil and natural gas.

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### EDUCATION

**Bachelor of Science (Geology)** **8/77 - 5/81**  
PURDUE UNIVERSITY WEST LAFAYETTE, IN

**Master of Science (Geology)** **8/81 - 12/83**  
ARIZONA STATE UNIVERSITY TEMPE, AZ

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### CERTIFICATIONS

- Registered Professional Geologist - Kentucky

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### REPRESENTATIVE PROJECT EXPERIENCE

- Provided technical geologic support to EPA project managers at multiple facilities subject to RCRA and CERCLA cleanup authorities. Areas of expertise include facility investigation/corrective measure study planning and oversight, negotiation and litigation technical support for corrective action and multimedia enforcement actions, hydrogeologic analysis of contaminant distribution and transport in complex geologic environments, establishing performance standards for groundwater investigations and remediation, and determining if work complies with EPA regulation, policy, or guidance. Activities include reviewing technical adequacy of work plans and reports, remedy selection, field oversight, and representing EPA to facilities and at public meetings. Facility types include steel making, pharmaceutical, chemical processing and manufacturing, battery recycling, oil refining, underground storage tank, federal facility, electrical component manufacturing, and warehousing.

- Drafted, negotiated, and oversaw implementation of RCRA 3008(h) consent and unilateral orders.
- Appeared as expert witness in EPA RCRA and Clean Water Act litigation against Horsehead Industries, Inc., Palmerton, PA. Wrote and was deposed on expert report evaluating company's Pollution Reduction Technology (PRT) work plan; worked with Department of Justice and Region III Office of Regional Counsel in reviewing expert reports and providing support at depositions
- Provided support for EPA Headquarters on national workgroups to review and/or draft regulation, policy, and guidance, including:
  - Regulatory Impact Analysis for Proposed Subpart S, 1991 - 1992
  - Corrective Action Management Unit Rule, 1992
  - Advance Notice of Proposed Rulemaking for Subpart S, 1996
  - Handbook of Groundwater Protection and Cleanup Policies for RCRA Corrective Action, 2001
  - EPA Ground Water Task Force, 2003 - 2007
  - RCRA FIRST Toolbox for Corrective Action, 2016
- Developed and provided training on how to develop Corrective Action Objectives as part of RCRA FIRST, an outgrowth of a Lean evaluation of the RCRA Corrective Action investigation and remedy selection process. The training was conducted in multiple locations nationwide for RCRA Corrective Action project managers representing EPA, States, the regulated community and their contractors, from 2015 through 2019.
- Developed and provided Leaking Underground Storage Tank Assessment training in Gliwice, Poland, beginning in May 1995. Training and follow-up project (which concluded 12/98) was funded through EPA by the Agency for International Development.
- Provided *Principles of Solid Waste Management Planning* training in Amman, Jordan in June, 1999 and in Serbia & Montenegro in March, 2004, with other EPA employees.

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## PUBLICATIONS

Isotopic Variations in Dolomite Concretions from the Monterey Formation, California: Journal of Sedimentary Petrology, v.55 (Jan. 1985), with L.P. Knauth.

Rapid Site Characterization at an Underground Storage Tank Site in Poland: Proceedings of the Third International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 10 - 13, 1996, with C. Atkinson & E. Quinn.

Underground Storage Tank Project - summary within Promoting a Sustainable Future: A Decade of EPA-Polish Cooperation, USEPA Office of International Activities, May 2000, 160-K-00-001, with C. Atkinson.