

- Developing, soliciting, and reviewing grant applications, managing the work and progress of grantees, and reviewing and commenting on final products. Grant topics ranged from education, to recycling, to disposal. Total grants managed exceeded \$4.4 million;
- Soliciting, reviewing, selecting, and monitoring the activities of scholarship recipients including post-doctorates, doctoral students, and master's students with scholarships ranging from \$5,000/yr to \$12,000/yr;
- Developing and publishing research bulletins;
- Assisting in the Foundation's chartable auction that grossed over \$1.2 million annually; and
- Assisting at an annual chartable golf tournament that raised some \$200,000 per year.

JRB Associates

Waste Management Department
 Manager, Groundwater Section
 May 1982 - May 1986

Managed and directed the efforts of staff members consisting of hydrologists, geologists, soil scientists, and environmental scientists on projects associated with resolving waste management, technical, and policy issues. Some of the projects managed included:

- Investigating Air Force facilities under the Installation Restoration Program;
- Performing a remedial investigation of the Stringfellow Superfund site;
- Monitoring the remedial action program effects on the hydrology at the Lipari Landfill disposal site (former number one NPL site);
- Developing EPA's handbook: *Leachate Plume Management*;
- Evaluating the remedial action at the Western Processing Inc. Superfund site;
- Evaluating and publishing a guidance document on subsurface drains used in landfills; and
- Reviewing, evaluating, and critiquing existing groundwater models.

Additionally, as manager was responsible for: business development; personnel management including assigning staff to projects, ensuring quality of staff work, and performing salary and performance reviews; and project and department budget development and implementation.

Underground Technologies Development, Inc.

Manager, Natural Resources
 September 1979 - May 1982

As Manager of the Natural Resources Division, staffed and directed the efforts of personnel in three offices (Alexandria, VA; Elkins, WV; and Charleston, WV) on environmental issues. I also served as the project manager and principal investigator on over 30 hydrogeologic (groundwater and surface water) impact assessments for the coal mining industry. Functions included installation of groundwater monitoring wells; collection of groundwater, surface water, and biotic samples; data interpretation; and prediction of hydrologic impacts from mining operations. Finally, established an in-house water quality laboratory to support hydrologic work.

Publications

Repa, E.W. 2008. Breaking Down Leachate. *Waste Age* 39(5):46-51.

Repa, E.W. 2008. Characterizing Municipal Solid Waste Landfill Leachate. *EREF Research Bulletin* 6(2). Alexandria, VA. 4 pp.

Repa, E.W. 2008. EPA Promulgates New Engine Emission Standards. *Waste Age* 39(2):58.

Repa, E.W. 2008. Particulate Matter Measured at C&D Facilities. *EREF Research Bulletin* 6(1). Alexandria, VA. 2 pp.

Repa, E.W. 2008. Take It Off: EPA Establishes Standards for Painting and Stripping Operations. *Waste Age* 39(3):60.

Repa, E.W. 2007. EPA/EREF Research Project Quantifies Landfill Gas Emissions. *EREF Research Bulletin* 5(3). Alexandria, VA. 4 pp.

Repa, E.W. 2007. The End Game. *Waste Age* 38(5):74-80.

Repa, E.W. 2007. Tritium in Landfill Leachate? *EREF Research Bulletin* 5(2). Alexandria, VA. 2 pp.

Repa, E.W. 2007. A Performance-Based Approach to Ending Post-Closure Care at Municipal Solid Waste Landfills: A Procedure for Providing Long-Term Stewardship under RCRA Subtitle D. *EREF Research Bulletin* 5(1). Alexandria, VA. 3 pp.

Repa, E.W. 2006. Avian Influenza: The Hunt and Peck for Answers. *NSWMA Research Bulletin*. Washington, DC. 6 pp.

Repa, E.W. 2006. Recent EPA Tests Show that MSW Landfill Gas Quality Improving. *EREF Research Bulletin* 4(1). Alexandria, VA. 2 pp.

Repa, E.W. 2005. Greenhouse Gases in the Waste Management Industry. *EREF Research Bulletin* 4(1). Alexandria, VA. 2 pp.

Repa, E.W. 2005. Carbon Sequestration in Municipal Solid Waste Landfills. *EREF Research Bulletin* 3(3). Alexandria, VA. 2 pp.

Repa, E.W. 2005. Biologically Active Covers for Mitigation of Landfill Gas Emissions. *EREF Research Bulletin* 3(1). Alexandria, VA. 2 pp.

Repa, E. 2005. A Case for Research. *Waste Age* 36(10):74-75.

Repa, E.W. 2005. Interstate Movement of Municipal Solid Waste. *NSWMA Research Bulletin* 5(2). Washington, DC. 9 pp.

Repa, E.W. 2004. Modern Landfills: A Far Cry From The Past. *NSWMA Technical Bulletin*. Washington, DC. 12 pp.

Repa, E.W. 2004. Microbial Communities in Landfill Gas and Condensate. *EREF Research Bulletin* 2(1). Alexandria, VA. 2 pp.

Repa, E. 2004. What's New with MSW: Statistics Show MSW Recycling Rates Continue to Increase? Waste Age 35(10):58.

Repa, E. 2004 Keeping Score: NSWMA Provides Statistics on Municipal Solid Waste Generation. Waste Age 35(6):74.

Repa, E. 2004. Managing the Mess: Recycling and Landfilling are Options, but Source Reduction is Best. Waste Age 35(7):90.

Repa, E. 2004. Guidelines Available for Landfill Gas Funding. EIA Executive Brief. Washington, DC. 2 pp.

Repa, E. 2004. The Scoop on HazWaste: Statistics Show Transport is Paramount in Hazwaste Disposal. Waste Age 35(8):55.

Repa, E. 2003. EPA Issues Toxics Rule—MSW Landfills Have New Emissions Standards. Waste Age 34(3):60.

Repa, E. 2003. A Place in the Heap: The EPA Mulls Whether Radioactive Waste can Mix with MSW. Waste Age 34(1):52.

Repa, E. 2003. Interstate HazWaste Movements Similar to MSW. Waste Industry News. November. Washington DC. pp. 3.

Repa, E. 2003. Keeping it Moving: Like MSW, Hazardous Waste Needs to Travel From Its Origin. Waste Age 34(11):51.

Repa, E.W. 2003. Interstate Movement of Municipal Solid Waste. NSWMA Research Bulletin. Washington, DC. 7 pp.

Repa, E.W. 2003. Reduced Methane Emissions – A Case for Landfill Biocovers. EREF Research Bulletin 1(2). Alexandria, VA. 2 pp.

Repa, E.W. 2003. Road Runners – Interstate Waste Transfers Have Tripled in the Past 12 Years. Waste Age. pp. 40-44.

Repa, E.W. 2003. Bioreactor Landfills – Viable Technology for the Future. EREF Research Bulletin 1(1). Alexandria, VA. 2 pp.

Repa, E.W. 2002. NSWMA's 2002 Tipping Fee Survey. NSWMA Research Bulletin. 4 pp.

Repa, E.W. 2002. Interstate Movement of Municipal Solid Waste. NSWMA Research Bulletin 2(1). Washington, DC. 9 pp.

Repa, E.W. 2002. Tipping through Time: NSWMA Reports on Landfill Fees Then and Now. Waste Age 33(11):72.

Repa, E.W. 2001. Landfill Capacity in the Year 2000. NSWMA Special Report. Washington, DC. 5 pp.

Repa, E.W. 2001. The U.S. Solid Waste Industry: How Big is It? Waste Age 32(12):60-63.

- Repa, E. 2001. Bioreactor Landfills: Research Shows Benefits. EIA Executive Brief. Washington, DC. 2 pp.
- Repa, E. 2001. The Size of the U.S. Solid Waste Industry. EIA Executive Report. Washington, DC. 2 pp.
- Repa, E.W. 2000. Future Diesel Engine Emission Regulations. EIA Executive Brief. Washington, DC. 2 pp.
- Repa, E.W. 2000. Landfill Capacity: How Much is Left in the United States. NSWMA Research Bulletin 00(4). Washington, DC. 4 pp.
- Repa, E.W. 2000. Solid Waste Disposal Trends. Waste Age 31(4):262-265.
- Repa, E.W. 1997. Interstate Movement 1995 Update. Waste Age 28(6):40-56.
- Repa, E.W. and A. Blakey. 1996. Municipal Solid Waste Disposal Trends—1996 Update. Waste Age 27(5):170-180
- Repa, E. 2005. A Case for Research: The EREF has Helped Fill the Gap in Solid Waste Industry Research. Waste Age. pp. 74-75.
- Repa, E.W. 1995. Clean Air Act Requirements For Landfills. Waste Age 26(4):163-170.
- Repa, E.W. 1994. Chapter 4. Federal Regulation. Handbook of Solid Waste Management. Frank Kreith, editor. McGraw Hill, Inc. New York, New York (winner of Outstanding Engineering Handbook for 1994 by Association of American Publishers)
- Repa, E.W. 1994. Interstate Movement of Municipal Solid Waste - 1992 Update. Waste Age 25(1):37-38, 40, 42.
- Repa, E.W. 1993. Obsolete Landfills Close as Subtitle D Takes Effect. Environmental Engineering Green Power. Engineering News-Record. pp. E50-E51.
- Goldberg, T and E. Repa. 1993. The Clean Air Act a Time to Assess Impacts and Management Options. Waste Age 24(11):73-74, 76-78.
- Repa, E.W. 1993. Landfill Tipping Fees 1992. Waste Age 24(11):35-36, 38.
- Repa, E.W. 1993. An Extension of Subtitle D Effective Date Possible? Waste Age 24(6):28-29.
- Repa, E.W. 1993. Status of State Adequacy Determinations Under Subtitle D. Waste Age 24(4):27-28, 30.
- Repa, E.W. and S.K. Sheets. 1992. Landfill Capacity in North America. Waste Age 23(5):18-20, 22, 24, 26, 28.
- Repa, E.W. 1992. Subtitle D's Effects on Private Industry. Waste Age 23(4):267, 268, 270, 271.
- Repa, E.W. 1992. Design Standards, Operating Requirements, Groundwater Monitoring and Corrective Action. Proceedings of the 5th Annual Solid Waste Management Options for Texas '92 Conference.

Repa, E.W. 1991. EPA Promulgates Long-Awaited Landfill Rules. *Waste Age* 22(10):69-70, 72, 156.

Sheets, S.K. and E.W. Repa. 1990. 1990 Landfill Tipping Fee Survey. *NSWMA Research Bulletin*. Washington, DC. 7 pp.

Repa, E.W. 1990. Regulatory Future of Landfill Gas Emissions. *Proceeding of the Second Annual Waste Equipment & Recycling Conference*. pp. 126-139.

Repa, E.W. 1990. TCLP's Impact on Landfills. *Waste Age* 21(9):44, 178, 180, 182.

Repa, E.W. 1990. The Changing Regulatory Climate. *Waste Age* 21(8):44, 48, 49, 52, 54.

Repa, E.W. 1990. EPA's 25% Source Separation Requirements. *Waste Age* 21(5):36, 37.

Repa, E.W. 1990. Possible Subtitle D Changes. *Waste Age* 21(4):36, 38, 40, 41, 44.

Repa, E.W. 1989. GAO Looks at Landfill Expansions. *Waste Age* 20(10):36, 154, 156.

Repa, E.W. 1989. Regulatory Future of Landfills. *Waste Age* 20(7):36.

Repa, E.W. 1989. Landfills & Global Warming. *Waste Age* 20(6):28, 30.

Repa, E.W. 1989. Lead and Cadmium Sources in MSW. *Waste Age* 20(4):42, 44.

Repa, E.W. 1989. Comments on Proposed Criteria. *Waste Age* 20(2):44, 46, 47.

Kiser, J. and E. Repa. 1989. Managing Municipal Waste Combustion Ash. *Environmental & Waste Management World* 3(1):1-5.

Repa, E.W. 1988. Landfill Capacity: How Much Really Remains. *Waste Alternatives*. December 1988. pp. 32-34.

Repa, E.W. and J.V.L. Kiser. 1988. Disposing Ash. *Waste Alternatives*. December 1988. pp. 74-79.

Repa, E.W. 1988. State Choices on Design Criteria. *Waste Age* 19(11):50-52.

Repa, E.W. 1988. The New Rules EPA has Proposed for Landfills. *Waste Age* 19(10):49-58.

Repa, E.W. 1988. Landfill Air Emission Rules. *Waste Age* 19(7):37.

Repa, E.W. 1988. A Look at Superfund's Municipal Landfills. *Waste Age* 19(5):86-90.

Repa, E.W. 1988. Groundwater Monitoring for All Landfills by 1995? *Waste Age* 19(4):40.

Repa, E.W. 1988. EPA Makes Ash Decisions. *Waste Age* 19(2):24.

Repa, E.W. 1988. Proposed Subtitle D Rulemaking. *Proceeding of the 1988 Conference on Solid Waste Management and Materials Policy*. January 27-30, 1988. New York State Legislative Commission on Solid Waste Management. pp. M11-M18.

Repa, E.W. 1987. How to Protect Groundwater. *Waste Age* 18(12):28-30.

- Repa, E.W. 1987. The Confusion and Questions About Ash. *Waste Age* 18(9):89-92, 183.
- Repa, E.W. 1987. EPA Revises Proposals Again, Just Before Making Them Public. *Waste Age* 18(8):25-27, 32, 202.
- Repa, E.W. 1987. MSW Landfills: Six New Issues. *Waste Age* 18(5):25-26.
- Repa, E.W. 1987. Early Results of EPA's Study of Municipal Waste Combustion Ash. *Waste Age* 18(3):31.
- Repa, E.W. 1987. EPA Adds Six Issues to List. *Waste Age* 18(1):103-106.
- Repa, E.W., J.G. Herrmann, E.F. Tokarski and R.T. Eades. 1987. Evaluating Asphalt Cap Effectiveness at a Superfund Site. *Journal of Environmental Engineering* 113(3):649-653.
- Repa, E.W., C.L. Pettit and J. Salimando. 1986. Waste-to-Energy Ash Disposal: EPA's Important Decisions. *Waste Age* 17(12):124-128.
- Repa, E.W. 1986. A Look at EPA's Choices. *Waste Age* 17(11):23-24.
- Repa, E.W. 1986. Why the Swedish Moratorium was Ended. *Waste Age* 17(11):90-96.
- Repa, E.W., N. DeSalvo, A. Johnson and E. Gibson. 1986. Installation Restoration Program Phase II - Confirmation/Quantification, Stage 1, Charleston Air Force Base, Charleston, South Carolina. US Air Force, OEHL, Brooks Air Force Base, Texas.
- Repa, E.W. and C. Kufs. 1985. Leachate Plume Management. HWERL, USEPA, Cincinnati, OH. EPA/540/2-85/004.
- Repa, E.W., C. Manikas and N. DeSalvo. 1985. Long Term Remedial Action Monitoring Program Lipari Waste Disposal Site. HWERL, USEPA, Cincinnati, OH.
- Repa, E.W. 1985. Evaluating the Effectiveness of an Asphalt Cap at a Superfund Site. 2nd Annual Canadian/American Conference on Hydrogeology: Hazardous Wastes in Groundwater -A Soluble Dilemma. June 25-29, 1985. Banff, Alberta, Canada.
- Repa, E.W. and N. Barkley. 1985. Leachate Plume Management. Proceedings, The 6th National Conference on Management of Uncontrolled Hazardous Wastes. November 4-6, 1985. Washington, DC.
- Repa, E.W., A. Wickline, N. DeSalvo and A. Lapins. 1984. Installation Restoration Program, Phase II - Confirmation/Quantification, Stage 1, Hancock Field, New York. USAD, OEHL, Brooks AFB, Texas.
- Bramlett, J., E.W. Repa, J. Margolis, C. Furman and S. Mahmud. 1985. Installation Restoration Program, Phase I - Records Search, Air Force Plant 44, Tucson, AZ.
- Burgher, B., E.W. Repa, A. Lapins, R. Eades and J. Margolis. 1984. Installation Restoration Program Phase I - Records Search, Air Force Plan PJKS, Waterton, CO. USAF, AFESC/DEV, Tyndall AFB, FL.

Repa, E.W., B. Burgher, A. Lapins, C. Furman and W. Ellis. 1984. Installation Restoration Program Phase I - Harrisburg International Airport (Formerly Olmsted Air Force Base), Middletown, PA. USAD, AFESC/DEV, Tyndall AFB, FL.

Kufs, C., P. Rogoshewski and E. Repa. 1982. Alternatives to Groundwater Pumping for Controlling Hazardous Waste Leachates. National Conference on Management of Uncontrolled Hazardous Waste Sites. Washington, DC. pp. 146-149.

Kufs, C., K. Wagner, P. Rogoshewski, M. Kaplan and E.W. Repa. 1983. Procedures and Techniques for Controlling the Migration of Leachate Plumes. Ninth Annual Research Symposium, Land Disposal, Incineration and Treatment of Hazardous Waste. USEPA, Cincinnati, May 2-4.

Repa, E.W., E. Tokarski and E. McNicolas. 1982. The Establishment of Guidelines for Modeling Groundwater Contamination from Hazardous Waste Facilities. EPA-OSW, Washington, DC.

Repa, E.W., R. Fithian, H. Hefner and J. Hoffman. 1981. Prediction of the Probable Hydrologic Consequences of Mining by the Demotto Peerless Coal Company, WV SOAP #001. Division of Reclamation, Department of Natural Resources, State of West Virginia.

Fithian, R., E.W. Repa, J. Meeks and N. DeSalvo. 1981. Prediction of the Probable Hydrologic Consequences of Mining by the Winsor-Pittman Coal Company, WV SOAP #012. Division of Reclamation, Department of Natural Resources, State of West Virginia.

Repa, E.W. 1981. Rainfall Catch Errors Associated with Circumambient Obstructions. Dissertation, West Virginia University. Morgantown, West Virginia

Tajachman, S.J., R. Lee and E.W. Repa. 1978. Rainfall Additaments to Subsurface Water in a Young Pine Plantation. Water Resource Bulletin 15(2):381-386.

Lee R., S. Tajachman, D.G. Boyer and E.W. Repa. 1977. Normal Precipitation in West Virginia. West Virginia Agriculture and Forestry 7(2):12-18.

References

Michael Cagney
President
Environmental Research and Education Foundation
901 N. Pitt Street, Suite 270
Alexandria, Virginia 22314
703-299-5139 extension 12
mjcagney@erefdn.org

Alice Jacobshon
Environmental Industry Associations
4301 Connecticut Ave., NW, Suite 300
Washington, DC 2008
202/364-3724
AliceJ@envasns.org

Susan Thorneloe
Senior Environmental Engineer
U.S. Environmental Protection Agency
Office of Research and Development
Air Pollution Prevention & Control Division
109 TW Alexander Drive
Research Triangle Park, NC 2771
919/541-2709
Thorneloe.susan@epa.gov

Bob Gregory
President and CEO
Texas Disposal Systems, Inc.
P.O. Box 17126
Austin, TX 78760
512/421-1300
bgregory@texasdisposal.com