Senior Principal

#### AREAS OF EXPERTISE

- Geochemistry, Hydrogeology, Geology
- Origin, Fate, and Transport of Chemicals in the Environment
- **Environmental Forensics**
- Litigation Support

### **SUMMARY OF QUALIFICATIONS**

A geochemist and hydrogeologist with more than 25 years of research and professional experience, Dr. Hennet specializes in evaluating the origin, fate, and transport of organic and inorganic chemicals in the environment. Dr. Hennet is often retained as an expert witness for litigation in providing services to industry, law firms, and the U.S. Department of Justice. His areas of expertise include the analysis of geochemical fingerprints, the evaluation of the timing of chemical releases, allocation of responsibilities, geochemical modeling, and the evaluation and application of novel on-site technologies to solve environmental problems. He is a member of the American Academy of Forensic Sciences, the American Chemical Society, and the Association of Groundwater Scientists and Engineers. He was awarded the Woods Hole Oceanographic Institution's Postdoctoral Scholarship in 1987 and has numerous publications in the fields of inorganic and organic geochemistry.

### REPRESENTATIVE EXPERIENCE

S.S. Papadopulos & Associates, Inc., Bethesda, Maryland

 U.S. Department of Justice — Served as an expert witness for several environmental litigation cases. Examples of this work include: the quantification of the history of benzene flux from the subsurface to ambient air following the release of military jet fuel; the evaluation of multi-source petroleum hydrocarbon releases and their individual extent; the evaluation of

## YEARS OF EXPERIENCE: 25+

#### **EDUCATION**

PhD - Geochemistry, Princeton University, 1987 MA - Geology, Princeton University, 1983

**Diplôme** – 3eme Cycle, Hydrogeologie, Université de Neuchatel, 1981

Diplôme - Geologie, Sciences Exactes, Université de Neuchatel, 1980

#### REGISTRATIONS

**Certified Professional Geological** Scientist: No. 10572. American Institute of Professional Geologists **Licensed Professional Geoscientist:** Texas No. 425

### **PROFESSIONAL HISTORY**

S.S. Papadopulos & Associates, Inc.: Senior Principal, 1989 to present **Woods Hole Oceanographic** Institution: Postdoctoral Scholar, 1987-1989

Princeton University: Research Assistant, 1983-1987; Teaching Assistant, 1982-1985

Université de Neuchatel: Research

Assistant, 1980-1981

the impact of bleaching agent when released in a desert environment; the impact and duration of large scale pesticide applications (fumigants, herbicides, and other products); and the origin, fate, transport, and timing of the release of chlorinated solvents at several military bases.

- Atlantic Richfield Company, Montana Provided technical support for natural resource damage litigation and testified as an expert witness. For the Anaconda tailings ponds site, collected data for a modeling simulation of the fate and transport of dissolved arsenic and cadmium in the alluvium beneath and down-gradient of the ponds. For the Butte mining district, evaluated the background condition for metals, arsenic, and sulfur chemical species. For the Montana Pole wood treatment site, evaluated the mobility of arsenic and pentachlorophenol (PCP) in the groundwater environment. For the Milltown Reservoir on the Clark Fork River; evaluated the background conditions and the mobility of metals and arsenic chemical species in sediments accumulated behind the reservoir.
- Allocation of Responsibility and Costs (Confidential Clients), several cases nationwide Reviewed and interpreted large volumes of information to support multi-party allocation models.

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 Atlantic Richfield/BP, California, Nevada — Provided a detailed evaluation of the design and performance of abatement measures at closed sulfur and copper mines. Applied geochemical fingerprints and performed modeling to evaluate the origin fate and transport of contamination.

- Rhone Poulenc Corporation, Pennsylvania, California, and New Jersey Studied arsenic fixation in soil material by various physicochemical treatments as part of a collaborative effort with Pennsylvania State University, with a focus on understanding the processes that control the fixation of arsenic in soils. Advised on the interpretation of data to characterize the mobility of arsenic chemical species at the Bay Road Site in the San Francisco Bay area, and at the Factory Lane Site in New Jersey.
- Panhandle Eastern Pipeline Company Evaluated and characterized the fate, transport, and distribution of polychlorinated biphenyls (PCBs) in the subsurface at several sites along a major pipeline system. Pipeline liquid condensate was discharged to unlined pits located at pumping stations spread along the system. The condensate contained PCBs from the operational bleeding of oil from gas pressurization turbines. The disposal of condensate resulted in surface and subsurface contamination by PCBs and light hydrocarbon compounds. Provided guidance in site characterization, site remediation, and to the site closure process.
- Envirosafe Services Landfill, Toledo, Ohio Reviewed detailed organic, inorganic, and isotope
  data to evaluate the integrity of a large active landfill complex located in an area characterized by
  historical waste disposal activity.
- Lone Pine Site, Freehold, New Jersey Performed data collection and interpretation to predict chemical composition for the design of a treatment facility.
- Heleva Site, Allentown, Pennsylvania Conducted specialized sampling to assess trace amount
  of chlorinated hydrocarbons in acetone-rich groundwater. Acquired isotope and nutrient data to
  characterize subsurface conditions for natural attenuation and design of the treatment plant.
- Love Canal, Niagara Falls, New York, and Stringfellow, Glen Avon, California Performed detailed data interpretations to assess the validity of expert witness' testimonies related to the fate, behavior, and migration of toxic chemicals in the subsurface.
- Tyson Site, Pennsylvania Conducted a detailed technical investigation of the performance of a large vacuum-extraction system consisting of more than 250 individual extraction wells. The extraction of volatile organic compounds was impeded by subsurface heterogeneities and the presence of residual non-aqueous phase liquids in the subsurface.
- Little Mississinewa River Site, Union City, Indiana, Several miles of river sediments were contaminated with waste oil containing elevated PCBs, and PCTs, PAHs, and metals. The main sources of contamination consisted of two major industrial outflows that discharged to the river over a period of several decades. Using chromatograms and raw electronic instrument response data from the analysis of about 200 samples, characterized the chemical fingerprints of both sources and quantified relative contributions.
- Coronet Company, Florida Provided a detailed evaluation of the fate and transport of arsenic, boron, radium, polonium, and other chemicals in soil, ponds sediment, and groundwater at a former phosphate mining and fertilizer processing plant. Conducted geochemical modeling.
- White Pine Sash Site, Missoula, Montana The release of wood treatment product containing pentachlorophenol (PCP) in diesel resulted in contamination of the vadose zone above a major water supply aquifer. Chlorinated-dioxins/furans were also detected in soil samples. Concurrently with the PCP product release(s), diesel/fuel oil No 2 had been released from underground storage tanks in the area. Evaluated and delineated the extent of impact of the diesel/fuel oil No 2 release independently of the PCP-diesel release(s).

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CSX Transportation, Florida — Evaluated the origin(s) fate and transport of arsenic in the
environment.

- Titan Tire Corporation, Iowa Evaluated the origin of PCB contamination and conducted a
  detailed review of laboratory data packages.
- Uranium Mine Tailings, New Mexico Evaluated tailings piles (from the processing of uranium ore) for water balance, dewatering, contaminant flux to groundwater, the progress of groundwater plume development, and the effects of remedial measures. Recommended dose reconstruction in water wells.
- Citizens about Rushton Rezoning, Inc., South Lyon, Michigan Analyzed the potential environmental and hydrogeological impacts of water-treatment lagoons and infiltration spraying fields. Calculated the fate and transport of nitrogen and phosphorous in the soil and groundwater. [The lagoons and spraying fields were selected as a wastewater treatment for a large residential development. The spraying fields were located on sloped glacial till that has limited permeability and capacity. Regulated surface-water bodies were located adjacent to the spraying fields and lagoons.]

### Woods Hole Oceanographic Institution, Woods Hole, Massachusetts

Studied the organic and inorganic chemistry of the Guaymas Basin hydrothermal system. Performed detailed trace analyses of metals and petroleum hydrocarbons. The research included the use of the research submarine Alvin for in-situ parameter measurements and sampling. Researched and studied the formation of natural petroleum and the effects of organic molecules degradation and migration on the formation of geopressured zones.

### Princeton University, Princeton, New Jersey

As Research Assistant, studied metal-organic interaction in natural settings, and served as Senior Thesis Advisor for an experimental study of lead-organic complexing and for an experimental study of trichloroethane in groundwater. Served as Teaching Assistant in Historical Geology and Geomorphology.

### Universite de Neuchatel, Centre d'Hydrologie, Switzerland

Studied tritium in groundwater and performed related laboratory work. Conducted geochemical fingerprinting in carbonate terrains as applied to the development of water resources.

### **PROFESSIONAL SOCIETIES**

American Academy of Forensic Sciences
American Chemical Society
American Institute of Professional Geologists
Geological Society of America
National Ground Water Association – Association of Ground Water Scientists and Engineers

### **HONORS & AWARDS**

Postdoctoral Scholar, Woods Hole Oceanographic Institution, 1987–1989
Princeton University Fellowship, 1982–1987
Swiss National Science Foundation Fellowship at Princeton University, 1981–1982
Mention Bien, Geologie, Universite de Neuchatel, 1980

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#### **APPOINTMENTS**

2002-2005: Geological Sciences Advisory Board, University of Alabama.

1996–2001: Member of Governing Board, Association of Princeton Graduate Alumni.

2000: Convenor, THEIS 2000 Conference: Iron in Groundwater, National Ground Water

Association.

1993–1999: Technical Advisory Board, Xetex Corporation.

1989–1992: Member of Steering Committee, Working Group 91, Scientific Commission for

Oceanic Research.

#### **PUBLICATIONS**

Soderberg, K., D.P. McCarthy, and R. J.-C. Hennet, 2015. Volatilization of Polychlorinated Biphenyls: Implication for their Distribution, Forensics and Toxicity in Urban Environments. Presentation at the Geological Society of America Annual Meeting, November 1-4, 2015, Baltimore, MD.

- Soderberg, K. and R.J.-C. Hennet, 2014. Detection of Pharmaceuticals in the Environment: History of Use as a Forensic Tool. <u>in</u> Goldstein, W. ed. *Pharmaceutical Accumulation the Environment: Prevention, Control, Health Effects and Economic Impact.* CRC Press: Boca Raton, FL. 262 p.
- Hennet, R.J.-C, 2010. PCBs in the Interstate Natural Gas Transmission System Status and Trends. White Paper prepared for the Interstate Natural Gas Association of America.
- Hennet, R.J.-C, 2010. Working with Lawyers: The Expert Witness Perspective. *United States Attorneys' Bulletin*, v. 58, no. 1, pp. 14-17.
- Soderberg, K., and R.J.-C. Hennet, 2007. Uncertainty and Trend Analysis -- Radium in Groundwater and Drinking Water. *Ground Water Monitoring and Remediation*, v. 27, no. 4, pp. 122-127.
- Soderberg, K., R. Hennet, and C. Muffels, 2005. Uncertainty and Trend Analysis for Radium in Groundwater and Drinking Water (*abstract*). Presentation at the 2005 National Ground Water Association Conference on Naturally Occurring Contaminants: Arsenic, Radium, Radon, and Uranium, February 24-25, 2005, Charleston, SC. <u>in</u> *Abstract Book*, pp. 30-44.
- Hennet, R.J.-C, 2002. The Application of Stable Isotope Ratios in Environmental Forensics. in *American Academy of Forensic Sciences Proceedings*, pp. 103-104.
- Hennet, R.J.-C, 2002. Life is Simply a Particular State of Organized Instability. <u>in</u> *Fundamentals of Life*, G. Palyi et al., eds. Paris, France: Elsevier, pp. 109-110.
- Hennet, R.J.-C., and L. Chapp, 2001. Using the Chemical Fingerprint of Pharmaceutical Compounds to Evaluate the Timing and Origin of Releases to the Environment. <u>in Proceedings of the American Academy of Forensic Sciences</u>, v.4, no. 1, p. 101.
- Vlassopoulos, D., C. Andrews, R. Hennet, and S. Macko, 1999. Natural Immobilization of Arsenic in the Shallow Groundwater of a Tidal Marsh, San Francisco Bay. Presentation at the American Geophysical Union Spring Meeting, Boston, MA, May 31-June 4, 1999.
- Hennet, R.J.-C, D. Carleton, S. Macko, and C. Andrews, 1997. Environmental Applications of Carbon, Nitrogen, and Sulfur Stable Isotope Data: Case Studies (abstract). Invited speaker at the Geological Society of America Annual Meeting, Salt Lake City, UT, November.
- Jiao, J., C. Zheng, and R. Hennet, 1997. Analysis of Under-pressured Reservoirs for Waste Disposal. *Hydrogeology Journal*, v.5, no. 3, pp. 19-31.

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Voigt, D.E., S.L. Brantley, R. Hennet, 1996. Chemical Fixation of Arsenic in Contaminated Soils. *Applied Geochemistry*, v. 11, pp. 633-643.

- Jiao, J., C. Zheng, and R. Hennet, 1995. Study of the Feasibility of Liquid Waste Disposal in Underpressured Geological Formations. Proceedings of the American Geophysical Union Spring Meeting, Baltimore, MD, May 30–June 2, 1995. in *Eos Supplement*, v. 76, no. 17, S137.
- Vlassopoulos, D., P. Lichtner, W. Guo, and R. Hennet, 1995. Long-Term Controls on Attenuation of Mine-Waste Related Contamination in Alluvial Aquifers: The Role of Aluminosilicate Clay Minerals. Proceedings of the American Geophysical Union Spring Meeting, Baltimore, MD, May 30-June 2, 1995. in Eos Supplement, v. 76, no. 17, S150.
- Feenstra, S., and R. Hennet, 1993. Assessment of Performance Limitations on Soil Vapor Extraction (SVE) in Variable Soils. *The Newsletter of the Association of Ground Water Scientists and Engineers*, v. 9, no. 3, pp. 112-113.
- Hennet, R.J.-C., and S. Feenstra, 1993. Assessment of Performance Limitations on Soil Vapor Extraction (SVE) in Variable Soils (abstract). Presentation at the Symposium on Chlorinated Volatile Organic Compounds in Ground Water, National Ground Water Association 45<sup>th</sup> Annual Convention, Kansas City, MO, October 17-20, 1993. in Ground Water, v. 31, no. 5, pp. 828-829.
- Hennet, R.J.-C., and C. Andrews, 1993. PCB Congeners as Tracers for Colloid Transport in the Subsurface—A Conceptual Approach. <u>in Manipulation of Groundwater Colloids for Environmental Restoration</u>. Ann Arbor, MI: Lewis Publishers, pp. 241-246.
- Hennet, R.J.-C, 1992. Abiotic Synthesis of Amino Acid Under Hydrothermal Conditions and the Origin of Life: A Perpetual Phenomenon? Invited speaker at the Gordon Research Conference on Organic Geochemistry, New Hampshire.
- Hennet, R.J.-C, N. Holm, and M. Engel, 1992. Abiotic Synthesis of Amino Acid Under Hydrothermal Conditions and the Origin of Life: A Perpetual Phenomenon? *Naturwissenschaften*, v. 79, pp. 361-365.
- Hennet, R.J.-C, and N. Holm, 1992. Hydrothermal Systems: Their Varieties, Dynamics, and Suitability for Prebiotic Chemistry. in Origins of Life and Evolution of the Biosphere, Netherlands, v. 22, pp. 15-31.
- Holm, N., A. Cairns-Smith, R. Daniel, J. Ferris, R. Hennet, E. Shock, B. Simoneit, and H. Yanagawa, 1992. Future Research. in *Origins of Life and Evolution of the Biosphere*, v. 22, pp. 181-190.
- Hunt, J.M., and R. Hennet, 1992. Modeling Petroleum Generation in Sedimentary Basins. in *Productivity, Accumulation, and Preservation of Organic Matter Recent and Ancient Sediments.* J. Whelan and J. Farrington, eds. New York: Columbia University Press, pp. 20-52.
- Hunt, J.M., M. Lewan, and R. Hennet, 1991. Modeling Oil Generation with Time-Temperature Index Graphs Based on the Arrhenius Equation. *AAPG Bulletin*, v. 75, no. 4, pp. 795-807.
- Hennet, R.J.-C, D. Crerar, and J. Schwartz, 1988. The Effect of Carbon Dioxide Partial Pressure on Metal Transport in Low-Temperature Hydrothermal Systems. *Chemical Geology*, v. 69, pp. 321-330.
- Hennet, R.J.-C, D. Crerar, and J. Schwartz, 1988. Organic Complexes in Hydrothermal Systems: *Economic Geology*, v. 83, pp. 742-767.
- Hennet, R.J.-C, and F. Sayles, 1988. Effect of Dissolved Organic Compounds on Trace Metal Mobility in Low-Temperature Hydrothermal Systems (*abstract*). Presentation at the Joint Oceanographic

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- Assembly, Acapulco, Mexico, August 23-31, 1988. <u>in</u> *Journal of Arboriculture*, v. 14, Mexico 88, p. 43.
- Hennet, R.J.-C, and J.K. Whelan, 1988. In-Situ Chemical Sensors for Detecting and Exploring Ocean Floor Hydrothermal Vents. Woods Hole Oceanographic Institution Technical Report WHOI-88-53, p. 69.
- Hennet, R.J.-C, 1987. The Effect of Organic Complexing and Carbon Dioxide Partial Pressure on Metal Transport in Low-Temperature Hydrothermal Systems. Unpublished PhD thesis, Department of Geochemistry, Princeton University. 308 p.
- Hennet, R.J.-C, D. Crerar, E. Brown, and J. Schwartz, 1986. Transport of Base Metals in Hydrothermal Brines by Organic and Possible Thiocarbonate Complexes: The Genesis of Stratiform Sediment-Hosted Lead and Zinc Deposits. Conference Proceedings. <u>in</u> *Geological Science*, Stanford University, v. 20, pp. 197-198.
- Hennet, R.J.-C, 1985. Partial Pressure of Carbon Dioxide and Base Metal Solubility: A Model for the Genesis of Hydrothermal Ore Deposits. Poster presentation at the Gordon Research Conference on Inorganic Geochemistry of Hydrothermal Deposits, New Hampshire.
- Hennet, R.J.-C, D. Crerar, and E. Brown, 1985. Base Metal Transport by Organic Complexing in Ore-Forming Brines (abstract). <u>in</u> *Proceedings of the Second International Symposium on Hydrothermal Reactions*. The Pennsylvania State University, p. 43.
- Hennet, R.J.-C, D. Crerar, and J. Schwartz, 1985. Metal-Organic Complexes in Ore-Forming Brines. Presentation at the190<sup>th</sup> National Meeting of the American Chemical Society, Division of Environmental Chemistry, Chicago, IL, September 9, 1985.
- Hennet, R.J.-C, 1983. Formation Constants of Lead and Zinc Metal-Organic Complexes Using Polarography (ASV, DPP), Specific Ion Electrodes (ISE), and Nuclear Magnetic Resonance Spectroscopy (NMR). Unpublished MA thesis, Princeton University.
- Hennet, R.J.-C, D. Crerar, J. Schwartz, and T. Giordano, 1983. New Ligand-Bond Mechanisms for the Transport of Zinc in the Genesis of Mississippi Valley-Type Ore Deposits. *Eos*, v. 64, no. 45, p. 885.
- Flury, F.R., R. Hennet, and A. Matthys, 1981. Developpement des resources en eaux de la Ville de Delemont (Jura, Suisse). Unpublished Diplome d'Hydrogeologie. Centre d'Hydrogeologie. Universite de Neuchatel, Switzerland.
- Hennet, R.J.-C, 1980. Cartographie de la Region Neuchatel-Valangin: Etude de la Mineralogie par Diffraction-X, de la Stratigraphie et des Microfacies du Valanginien. Discussion de Stratotype de Valangin. Unpublished Diplome de Geologie. University de Neuchatel, Switzerland.

#### **DEPOSITION AND TESTIMONY EXPERIENCE**

### **DEPOSITIONS**

- 2017 Peconic Baykeeper, Inc. and Soundkeeper, Inc. v. Rose Harvey, in her Official Capacity as Commissioner of the New York State Office of Parks, Recreation, and Historic Preservation. United States District Court Eastern District of New York. No. 13-cv-06261 (JMA)(SIL). July 19.
- 2017 PJ & Associates, Inc. v. Ranjanben Patel; Nationwide Life Insurance Company; Pan Heritage, LLC; Nareshkumar Pankhania; Yogi Investments, Inc. United States District Court for the Northern District of Georgia Atlanta Division. Case No. 1:15-CV-02861-AT. June 7.

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2016 PJ & Associates, Inc. v. Ranjanben Patel; Nationwide Life Insurance Company; Pan Heritage, LLC; Nareshkumar Pankhania; Yogi Investments, Inc. United States District Court for the Northern District of Georgia Atlanta Division. Case No. 1:15-CV-02861-AT. November 29.

- 2016 State of North Carolina ex rel. North Carolina Department of Environment and Natural Resources v. Catawba Riverkeeper Foundation Inc., et al. vs. Duke Energy Carolinas, LLC. State of North Carolina Mecklenburg County in the General Court of Justice Superior Court Division. Case No. 13-CVS-14661. October 17-18.
- 2016 Tri-Realty Company v. Ursinus College. The United States District Court for the Eastern District of Pennsylvania. Civil Action No. 2:11-cv-05885-GP. April 20.
- Duke Energy Progress, Inc. v. N.C Department of Environment Resources, et al. State of North Carolina, Wake County in the Office of Administrative Hearings. Case No. 15 HER 02581. July 9.
- 2014 United States of America v. Richard Middleton, Circle Environmental, Inc., BSJR, LLC, and WaterPollutionSolutions.com, Inc. The United States District Court for the Middle District of Georgia Albany Division. Case No. 1:11-cv-00127-WLS. November 3.
- 2014 Santa Fe Pacific Gold Corporation vs. United Nuclear Corporation vs. The Travelers Indemnity Company, et al, State of New Mexico, County of Cibola Eleventh Judicial District. No. CV-97-139II. February 6.
- 2013 State of New Mexico ex rel. vs. Kerr-McGee Corporation et al. State of New Mexico, County of Cibola Thirteenth Judicial District Court. No. CB-83-190-CV & CB-83-220-CV (Consolidated). April 24-26.
- 2012 Grant Neibaur and Sons Farms, et al vs. The United States of America. U.S. District Court for the District of Idaho. No. CIV 4:11-cv-00159-BLW. September 19.
- 2012 State of New Mexico ex rel. vs. Kerr-McGee Corporation et al. State of New Mexico, County of Cibola Thirteenth Judicial District Court. No. CB-83-190-CV & CB-83-220-CV (Consolidated). September 11-14.
- 2012 Commissioner of the Department of Planning and Natural Resources, et al. vs Century Aluminum Company, et al. District Court of the Virgin Islands Division of St. Croix. Civil No. 2005-0062. June 26.
- 2012 Commissioner of the Department of Planning and Natural Resources, et al. vs Century Alumina Company, et al. District Court of the Virgin Islands Division of St. Croix. Civil No. 2005-0062. June 25.
- 2012 ExxonMobil Oil Corporation vs Nicoletti Oil, Inc., et al. U.S. District Court Eastern District of California. No. 1:09-cv-01498-A WI-DLB. June 14.
- 2012 United States of America vs Dico Inc. and Titan Corporation. U.S. District Court Southern District of Iowa. No. 4:10-cv-00503-RP-RAW. January 20.
- 2011 Joseph A. Pookatas, Donald L.Michel and the Confederated Tribes of the Colville Reservation and the State of Washington (Plaintiff Intervenor) vs Teck Cominco Metals, LTD. U.S. District Court Eastern District of Washington at Yakima. CB-04-0256-LRS. June 10.
- 2010 United States Virgin Islands Department of Planning and Natural Resources vs. St. Croix Renaissance Group, L.L.L.P., et al. District Court of the Virgin Islands Division of St. Croix. Civil No. 2007/114. October 20.

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2010 In the Matter of the Application for Water Rights of Leadville Water, JV., in Park County, Colorado. District Court, Water Division No. 1, State of Colorado. 07CW251. September 22-23.

- Timm Adams et al. vs. United States of America et al. U.S. District Court, District of Idaho. 03-0049-E-BLW. January 15.
- 2008 Pennsauken Solid Waste Management Authority vs. Devoe et al. New Jersey Superior Court, Camden County, Law Division. No. L-13345-91. October 15.
- 2007 Arbitration in the Issue of PCB Contamination in the Little Mississinewa River, Union City, Indiana. Pittsburgh, Pennsylvania. August 22.
- 2007 San Diego Unified Port District vs. TDY Industries, Inc.; Ryan Aeronautical Company; Teledyne Ryan Company; Teledyne Ryan Aeronautical Company; Teledyne Industries, Inc.; Allegheny Teledyne, Inc.; Allegheny Technologies, Inc. United States District Court, Southern District of California. Case Number 03 CV 1146-B (POR). January 5.
- 2006 Sierra Club, Natural Resources Defense Council, and Natural Parks Conservation Association vs. Robert B. Flowers, Chief of Engineers, United States Army Corps of Engineers et al. U.S. District Court, Southern District of Florida. Case No. 03-23427-CIV-Hoeveler. October 31 and November 17.
- Linda Akee et al. vs. The Dow Chemical Company et al., Dole Food Company, Inc., Third-Party Plaintiffs vs. The United States of America, Third-Party Defendant. U.S. District Court for the District of Hawaii. Civil Action No. CV00-00382 BMK. August 25.
- 2000 Chevy Chase Bank, FSB, Plaintiff/Counter-Defendant vs. Shell Oil Company and Motiva Enterprises, LLC, Defendants/Counter-Plaintiffs. U.S. District Court for the District of Maryland, Southern Division. December 14.
- 1999 Textron vs. Ashland, Inc. et al. Superior Court of New Jersey.
- 1999 McMahon vs. The United States of America. U.S. District Court, Southern District of Texas, Laredo Division. Case No. L-99-009. December 1.
- 1998 Kay Bettis et al. vs. Ruetgers-Nease Corp. et al. U.S. District Court for the Northern District of Ohio Eastern Division. Case No. 4:90 CV 0502.
- 1996 State of Montana vs. Atlantic Richfield Company. U.S. District Court, District of Montana, Helena Division. Case No. CV-83-317-HLN-PGH.
- 1996 Kenneth Bowers vs. The United States and Tenco Services, Inc. U.S. District Court for the District of South Carolina. Case No. 2:95-5568.
- 1995 Reichhold Chemicals, Inc. vs. Textron Inc. et al. U.S. District Court, Northern District of Florida. Case No. 92-30393RV.

#### **TESTIMONY**

- 2017 United States of America vs. Dico, Inc. and Titan Tire Corporation. U.S. District Court Southern District of Iowa. No. 4:10-cv-00503-RP-RAW. April 5.
- 2015 United Nuclear Corporation vs. London Insurance Companies. Eleventh Judicial District Court. County of McKinley, State of New Mexico. No. D-1113-CV-9700139. January 21 and 22.

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2013 United States of America vs Dico Inc. and Titan Corporation. U.S. District Court Southern District of Iowa. No. 4:10-cv-00503-RP-RAW. December 4.

- Timm Adams et al. vs. United States of America and E.I. DuPont de Nemours and Company, a Delaware corporation. U.S. District Court, District of Idaho. Case No. CIV-03-0049-E-BLW. August 4, 5, 6.
- 2008 Attorney General of the State of Oklahoma and Oklahoma Secretary of the Environment vs. Tyson Foods, Inc., et al. U.S. District Court for the Northern District of Oklahoma. 4:05-CV-00329-TCK-SAJ. March 7.
- 2006 Sierra Club, Natural Resources Defense Council, and Natural Parks Conservation Association vs. Robert B. Flowers, Chief of Engineers, United States Army Corps of Engineers et al. U.S. District Court, Southern District of Florida. Case No. 03-23427-CIV-Hoeveler. November 28 and 29.
- 2004–2005 Universal Waste, Inc. and Clearview Acres, Ltd. Regarding Delisting Petition for Site Number 0633009. Adjudicatory Hearing by New York Department of Environmental Conservation, Office of Hearings and Mediation. Site Number 0633009. October 27 and February 3.
- 2004 Part 31, City of South Lyon and the Citizens About Rushton Rezoning, Inc., Permit No.: M 00994; and Permit No: GW186300602. State of Michigan, Department of Environmental Quality, Office of Administrative Hearings, Lansing, MI. May 20, 21, and 27.
- 2003 Robert McMahon vs. The United States of America. U.S. District Court, Southern District of Texas. Case No. L-99-009. February.
- 2001 Bolinder et al. vs. United States. U.S. District Court, District of Utah. Case No. 2:97CV0912. May.
- 1998 State of Montana vs. Atlantic Richfield Company. U.S. District Court, District of Montana, Helena Division. Case No. CV-83-317-HLN-PGH, Natural Resource Damage Claim. January.
- In the matter of the claim of Missoula White Pine Sash Company, Missoula, Montana. Administrative hearing before the Petroleum Tank Release Compensation Board vs. Department of Environmental Quality, State of Montana. Claim No. 97-960307-P-00037. October.
- Doria Tartsah Goombi et al. vs. U.S. Department of the Interior. U.S. Department of Interior, Office of Hearings and Appeals, Hearings Division, Oklahoma City, Oklahoma. Case No. D95-179 (1-41). August.