S.S. PAPADOPULOS & ASSOCIATES, INC.

# STEVEN P. LARSON

Groundwater Hydrologist

## AREAS OF EXPERTISE

- Groundwater Hydrology
- Contaminant Fate and Transport
- Site Investigation and Remediation
- Numerical Modeling
- Spatial Interpolation
- Expert Testimony

## SUMMARY OF QUALIFICATIONS

Mr. Larson is a recognized authority on numerical simulation models and their application in the analysis of a variety of groundwater problems. He has developed such models for analyzing groundwater flow, mass- and heat-transport in groundwater systems, contaminant migration, recovery of petroleum products from groundwater, saltwater intrusion in coastal aquifers, and thermal energy storage in aquifers. In addition, he has been in the forefront of combining these methods with linear programming techniques to optimize the development of groundwater supplies or remediation of contaminated groundwater. Mr. Larson has conducted training courses on the use of these models and provided technical support on their application to a variety of hydrologic conditions. He has authored and co-authored publications on the application of aquifer simulation models that are widely used by practicing hydrologists. He has served as an expert witness in numerous judicial forums regarding groundwater issues and the application of simulation models for demonstrating the fate of soil/groundwater contamination and the effect of remediation alternatives

**YEARS OF EXPERIENCE: 40+**

**EDUCATION**

**MS** – Civil Engineering
University of MN – Minneapolis, 1971
**BS** – Civil Engineering (with high distinction),
University of MN – Minneapolis, 1969

**REGISTRATIONS**

Certified Professional Hydrologist

**PROFESSIONAL HISTORY**

**S.S. Papadopulos & Associates, Inc.**, Bethesda, Maryland: Executive Vice President, 1980 to present.
**U.S. Geological Survey:**
Water Resources Division, Reston, VA: Hydrologist, 1975-1980.
Water Resources Division, St. Paul, Minnesota: Hydrologist, 1971-1975
Water Resources Division – National Training Center, Denver, Colorado: Hydrologist, 1971.
**St. Anthony Falls Hydraulic Laboratory**, Minneapolis, Minnesota: Research Assistant, 1969-1971.

## REPRESENTATIVE EXPERIENCE

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

As senior principal of the company, Mr. Larson assists in the management of the company and in the conduct and management of projects dealing with a wide variety of environmental and water-resource issues. During his many years at SSP&A, he has been involved in numerous projects covering a wide spectrum of technical, environmental, and legal issues including:

- **Site Evaluations** — Remedial investigations, feasibility studies, engineering evaluation/cost analyses, and remedial action plans at CERCLA and other waste disposal sites including the Stringfellow site in California, the FMC Fridley site in Minnesota, the Chem Dyne site in Ohio, the Conservation Chemical site in Missouri, the Hardage-Criner site in Oklahoma, and the Hastings site in Nebraska.
- **Groundwater Contamination Evaluations, CERCLA and Other Waste-Disposal Sites** — Including Love Canal, New York; Savannah River Plant, South Carolina; Tucson Airport, Arizona; Ottati & Goss site, New Hampshire; Martin-Marietta site, Colorado; and Western Processing site in Washington.
- **Environmental Impact Evaluations of the Effects of Water Development, Wyoming and South Dakota** — For proposed coal slurry operations in Wyoming, of in-situ mining for trona minerals in Wyoming, and of groundwater development on the shallow-water-table in South Dakota.

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- **Water-Supply Development Evaluations —** Including potential impacts of salt-water intrusion on water supply development, in Oman, Portugal and Florida; and analysis of potential impacts of power plant cooling water on groundwater and surface water in Wyoming.
- **Evaluations of Permitting, Licensing, and Environmental Issues Associated with Mining —** Coal mining in Wyoming, Montana, and Arizona; copper mining in Montana and Utah; trona mining in Wyoming; and uranium mining in New Mexico.
- **Evaluations of the Effects of Discharge on Groundwater from Chemical-Manufacturing Waste Disposal —** Wyoming, Virginia, and New York.
- **Water-Rights Permitting Evaluations and Adjudication —** New Mexico, Texas, Colorado, Kansas, Wyoming, Nebraska, Arizona, and Idaho.
- **Environmental Audits, Groundwater Monitoring Plans, and Other Environmental Investigations —** Oaks Landfill in Maryland, the FMC Carteret facility in Wyoming, the former IBM facility in Indiana, and the Insilco site in Florida.

## SPECIFIC PROJECT EXPERIENCE

- **Far-Mar-Co Subsite, Hastings Superfund Site, Nebraska** — Supervised the preparation of an engineering evaluation/cost analysis (EE/CA) to support implementation of remediation of groundwater contamination. Worked with regulatory agencies to gain approval of the EE/CA and progress toward design and implementation. Previously on behalf of Morrison Enterprises, supervised completion of a remedial investigation and a feasibility study involving carbon tetrachloride and ethylene dibromide contamination.
- **Stringfellow Site near Riverside, California** — Served as the principal technical advisor on groundwater issues to the Pyrite Canyon Group that overviewed investigations and remedial activities sponsored by the responsible parties. Designed and evaluated several investigations and remediation programs. Represented the client as a technical spokesperson in workshops, technical seminars, and meetings with regulatory agencies and other interested parties. Prepared key documents to support the decision-making process toward the final Record of Decision.
- **In the case of *Kansas v. Colorado* before the U.S. Supreme Court** — Served on a team of technical advisors to the State of Kansas in its litigation with Colorado over violations of the Arkansas River Compact. Assisted in obtaining a finding of compact violation regarding the pumping of groundwater from wells along the river valley in Colorado. Continued as a technical expert as the case moves into subsequent phases involving the quantification of depletions of supply, assessments of damage, and future compliance by Colorado.

## EXPERT AND FACT WITNESS EXPERIENCE

- Litigation associated with soil and groundwater contamination at CERCLA, RCRA, and other facility sites in California, Kansas, Missouri, Oklahoma, Tennessee, Montana, Florida, Iowa, and Nebraska.
- Toxic tort, property damage, and liability litigation regarding soil and groundwater contamination at sites or facilities in New York, Tennessee, Texas, Virginia, Ohio, and other states.
- Insurance recovery litigation associated with contamination at a variety of sites or facilities for commercial clients such as General Electric, FMC Corporation, Upjohn, AT&T, Rohr Industries, Beazer East/Koppers, North American Phillips, DOW Chemical, Occidental Chemical, and Southern California Edison.
- Water-rights permitting litigation and water adjudication including cases in New Mexico, Colorado, and Arizona, as well as interstate river compact disputes involving the states of Kansas, Colorado, Wyoming, and Nebraska.

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**U.S. Geological Survey**, Water Resources Division, Reston, Virginia

Originated, planned and conducted research in the development of numerical simulation models and techniques for the analysis of a variety of problems related to groundwater systems. Applied the developed models to actual field situations for verification and further refinement, and documented these models in a manner suitable for use by others. Served as coordinator and instructor for training courses on groundwater simulation models and methodologies conducted by the Division, and provided primary technical assistance to many groundwater projects conducted by District. Participated in and represented the Survey in national and international meetings. Conducted groundwater studies of national and regional interest, and participated in or was detailed to overseas projects conducted or managed by other U.S. agencies and the World Bank.

**U.S. Geological Survey**, Water Resources Division, St. Paul, Minnesota

Served as Project Chief and participated in studies involving the evaluation of groundwater resources, the assessment of stream-water quality, and the analysis of surface-water/groundwater relationships in various parts of Minnesota.

**U.S. Geological Survey**, Water Resources Division, National Training Center, Denver

Participated in an extended training program providing in-depth training on both office and field techniques for the collection and the analysis of data and the conduct of surface-water, groundwater, and water-quality studies.

**St. Anthony Falls Hydraulic Laboratory**, Minneapolis, Minnesota

As a Research Assistant, participated in the development and operation of an urban-runoff model to predict sewer flow distribution for the Minneapolis–St. Paul Sanitary District. Assisted in runoff prediction studies for St. Paul and participated in a project to survey and summarize computer programs used in water resources engineering.

## PROFESSIONAL SOCIETIES

Association of Ground Water Scientists and Engineers

American Institute of Hydrology

## AWARDS AND HONORS

Civil Servant of the Year, U.S. Geological Survey, 1974

U.S. Geological Survey Incentive Award, 1974

American Society of Civil Engineering Student Award, 1969

## PUBLICATIONS AND PRESENTATIONS

Barth, G., S.P. Larson, G. Lewis, and K. Green. 2011. Prediction Uncertainty of Drawdown in the Seven-Rivers Augmentation Well Field. National Groundwater Association Conference 2011. NGWA, Baltimore, MD. June 2011, 15.

Spiliotopoulos, A., M. Karanovic, and S. Larson, 2008. Development of Transient Flow Models for the Solomon River Basin. Presentation at MODFLOW and More 2008: Ground Water and Public Policy Conference, May 18-21, 2008, Golden, CO.

Papadopulos, S.S., and S.P. Larson, 2007. The Drawdown Distribution in and Around a Well Pumping from a Two-Region Aquifer. Presentation at the 119th Annual Meeting of the Geological Society of

America, Denver, CO, October 27-31, 2007. in *Abstracts and Programs*, v. 39, no. 6. Washington, DC: American Geophysical Union. 189.

Larson, S.P., 2007. The Use of Complex Computer Modeling of Groundwater Systems. Presentation at the 53rd Annual Rocky Mountain Mineral Law Institute, Vancouver, British Columbia, July 19-21, 2007. 21.

Larson, S.P., 2006. Simplicity in Modeling – Use of Analytical Models with PEST. Presentation at MODFLOW and More 2006, Managing Ground-Water Systems, International Ground Water Modeling Center, Colorado School of Mines Golden, CO, May 22-24, 2006: v. 2, pp. 579-583.

Tonkin, M.J., S. Larson, and C. Muffels, 2004. Assessment of Hydraulic Capture through Interpolation of Measured Water Level Data. Presentation at Conference on Accelerating Site Closeout, Improving Performance, and Reducing Costs through Optimization, U.S. Environmental Protection Agency, Federal Remediation Technology Roundtable, June 15-17, 2004, Dallas, TX.

Tonkin, M.J. and S. Larson. 2002. Kriging Water Levels with a Regional-Linear and Point-Logarithmic Drifts: *Ground Water*. 40, no. 2, March-April: 185-193.

Blum, V.S., S. Israel, and S.P. Larson, 2001. Adapting MODFLOW to Simulate Water Movement in the Unsaturated Zone. in *Proceedings of MODFLOW 2001 and Other Modeling Odysseys*, International Groundwater Modeling Center (IGWMC), September 11-14, 2001, Colorado School of Mines, Golden, Colorado: pp. 60-65.

Larson, S.P., C.. Andrews, and C. Neville, 1995. Parameter Estimation in Groundwater Modeling: Research, Development, and Application (Abstract). American Geophysical Union (AGU) Spring Meeting, Baltimore, May 30 – June 2, 1995, Hydrology Sessions (invited speaker). S145, Abstract H51C-02 0835h.

Andrews, C.B., and S. Larson, 1988. Evolution of Water Quality in the Lower Rio Grande Valley, New Mexico: *Eos,* v. 69, no. 16, p. 357.

Larson, S.P., C. Andrews, M. Howland, and D. Feinstein, 1987. Three-Dimensional Modeling Analysis of Groundwater Pumping Schemes for Containment of Shallow Groundwater Contamination. in *Solving Ground Water Problems with Models*. Dublin, OH: National Water Well Association. pp. 517-536.

Bennett, G.D., A. Kontis, and S. Larson, 1982. Representation of Multi-Aquifer Well Effects in Three-Dimensional Groundwater Flow Simulation. *Ground Water*, v. 20, no. 3, pp. 334-341.

Helgesen, J.O., S. Larson, and A. Razem, 1982. *Model Modifications for Simulation of Flow Through Stratified Rocks in Eastern Ohio*. U.S. Geological Survey, Water-Resources Investigations 82-4019.

Larson, S.P., S. Papadopulos, and J. Kelly, 1981. Simulation Analysis of a Double-Transmissivity Concept for the Madison Aquifer System (abstract). *Proceedings of the 10th Annual Rocky Mountain Ground-Water Conference*, Laramie, Wyoming, April 30-May 2, 1981. p. 76.

Mercer, J.W., S. Larson, and C. Faust, 1980. *Finite-Difference Model to Simulate the Real Flow of Saltwater and Fresh Water Separated by an Interface*. U.S. Geological Survey, Open-File Report, pp. 80-407.

Mercer, J.W., S. Larson, and C. Faust, 1980. Simulation of Saltwater Interface Motion: *Ground Water*, v. 18, no. 4, pp. 374-385.

Larson, S.P., 1978. *Direct Solution Algorithm for the Two-Dimensional Ground-Water Flow Model*. U.S. Geological Survey, Open-File Report 79-202, p. 25.

Papadopulos, S.S., and S. Larson, 1978. Aquifer Storage of Heated Water: Part II - Numerical Simulation of Field Results: *Ground Water*, v. 16, no. 4, pp. 242-248.

Burnham, W.L., S. Larson, and H. Cooper Jr., 1977. *Distribution of Injected Waste-Water in the Saline Lava Aquifer, Wailuku-Kahului Waste-Water Treatment Facility, Kahului, Maui, Hawaii*. U.S. Geological Survey, Open File Report 77-469.

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Larson, S.P., T. Maddock III, and S. Papadopulos, 1977. Optimization Techniques Applied to Ground-Water Development. Presentation at the Congress of the International Association of Hydrogeologists, Birmingham, England, July 24-30, 1977. in *Memoires*, 13, Part 1. E57-E66.

Larson, S.P., S. Papadopulos, H. Cooper Jr., and W. Burnham, 1977. Simulation of Wastewater Injection into a Coastal Aquifer System near Kahului, Maui, Hawaii. American Society of Civil Engineers' (ASCE) 25th Annual Hydraulic Division Specialty Conference on the Hydraulics in the Coastal Zone, Texas A&M University, College Station, TX, August 10-12, 1977. in *Proceedings - Hydraulics Division Specialty Conference*, v. 25, pp. 107-116.

Larson, S.P., and P. Trescott, 1977. Solution of Water-Table and Anisotropic Flow Problems Using the Strongly Implicit Procedure: *Journal of Research of U.S. Geological Survey*, v.5, no. 6, pp. 815-821.

Trescott, P.C., and S. Larson, 1977. Comparison of Iterative Methods of Solving Two-Dimensional Ground-Water Flow Equations: *Water Resources Research*, v. 13, no. 1, pp. 125-136.

Trescott, P.C., and S. Larson, 1977. Solution of Three-Dimensional Ground-Water Flow Equations Using the Strongly Implicit Procedure: *Journal of Hydrology, v.* 35, pp. 49-60.

Larson, S.P., 1976. *An Appraisal of Ground Water for Irrigation in the Appleton Area, West-Central Minnesota*. U.S. Geological Survey, Water Supply Paper 2039-B, p. 34.

Larson, S.P., W. Mann IV, T. Steele, and R. Susag, 1976. *Graphic and Analytical Methods for Assessment of Stream-Water Quality: Mississippi River in the Minneapolis - St. Paul Metropolitan Area, Minnesota*. U.S. Geological Survey, Water Resources Investigations Open-File Report 76-94. 55.

Trescott, P.C., and S. Larson, 1976. *Supplement to Open-File Report 75-438 – Documentation of Finite-Difference Model for Simulation of Three-Dimensional Ground-Water Flow*. U.S. Geological Survey, Open-File Report 76-591. 21.

Trescott, P.C., G. Pinder, and S. Larson, 1976. *Finite Difference Model for Aquifer Simulation in Two Dimensions with Results of Numerical Experiments*. Automated Data Processing and Computations. Techniques of Water-Resources Investigations Book 7. Chapter C1, p.116.

Larson, S.P., M. McBride, and R. Wolf, 1975. *Digital Models of a Glacial Outwash Aquifer in the Pearl-Sallie Lakes Area, West-Central Minnesota*. U.S. Geological Survey, Water Resources Investigations 75-40. 39.

Larson-Higdem, D.C., S. Larson, and R. Norvitch, 1975. *Configuration of the Water Table and Distribution of Downward Leakage to the Prairie du Chien/Jordan Aquifer in the Minneapolis -St. Paul Metropolitan Area*. U.S. Geological Survey, Open-File Report 75-342. 33.

Bowers, C.E., A. Pabst, and S.. Larson, 1972. *Computer Programs in Hydrology*. University of Minnesota, Water Resources Research Center Bulletin 44. 172.

Bowers, C.E., A. Pabst, and S. Larson, 1971. *Computer Program for Statistical Analysis of Annual Flood Data by the Log-Pearson Type III Method*. University of Minnesota, Water Resources Research Center Bulletin 39. 26.

## DEPOSITION AND TESTIMONY EXPERIENCE

### DEPOSITIONS

2013 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. August 5. *(Arbitration)*

2013 Mitchell McCormick, et al. vs. Halliburton Company, et al. U.S. District Court for the Western District of Oklahoma. July 30.

2013 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. July 24. *(Arbitration)*

2013 State of Montana vs. State of Wyoming and State of North Dakota. Supreme Court of the United States. No. 137, Original. July 16.

2013 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. June 11.

2013 State of New Mexico ex rel. State Engineer 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 9 - 11.

2013 State of Montana vs. State of Wyoming and State of North Dakota. Supreme Court of the United States. No. 137, Original. February 12.

2013 Orange County vs. Sabic Innovative Plastics US, LLC., et al. Superior Court of the State of California for the County of Orange. Case No. 30-2008-00078246-CU-TT-CXC. January 29.

2012 State of New Mexico ex rel. State Engineer 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). October 10-12.

2012 Orange County Water District vs Northrop Corporation, et. al., Superior Court of the State of California in and for the County of Orange, No. 04CC00715. July 11 and August 1.

2012 Atlantic Richfield vs State of California, et. al., Superior Court of the State of California, County of Los Angeles, Central District. No. BC 380474. June 21-22.

2012 Michael O. Thomas and Patricia Thomas vs ConocoPhillips, Inc. et al., In the Circuit Court in and for Escambia County, Florida, Case No. 2008 CA 001381. June 12.

2012 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. April 9.

2012 Ron Block, et al. vs. Daniel and Mary Lou Helix, et al. Superior Court of California, County of Contra Costa. No. CIVMSC05-01725. March 27.

2012 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. February 15.

2011 OneBeacon America Insurance Company vs. Narragansett Electric Company. Volume I. Commonwealth of Massachusetts, Suffolk County Superior Court. 05-3086-BLS-I. November 15.

2010 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. June 29.

2010 OneBeacon America Insurance Company vs. Narragansett Electric Company. Volume I. Commonwealth of Massachusetts, Suffolk County Superior Court. 05-3086-BLS-I. March 3.

2009 Morrison Enterprises and the City of Hastings, Nebraska vs Dravo Corporation. U.S. District Court for the District of Nebraska. No. 4:08-CV-3142 (Confidential section). July 23.

2009 State of Oklahoma vs. Tyson Foods et al. U.S. District Court for the Northern District of Oklahoma. 05-cv-349-TCK-SAJ. April 10.

2009 Kansas vs. Nebraska and Colorado. U.S. Supreme Court. No. 126, Orig. February 24.

2009 Timm Adams et al. vs. United States of America et al. U.S. District Court for the District of Idaho. CIV 03-0049-E-BLW. January 16.

2008 Gloria Ned et al. vs. Union Pacific Railroad. 14th Judicial District Court, Parish of Calcasieu, State of Louisiana. 2003-001100 (Consolidated Cases). August 15.

2008 Jeff Alban et al. vs. ExxonMobil Corporation et al. Circuit Court for Baltimore County. 03-C-06-010932. January 24.

2007 City of Neodesha, Kansas et al. vs. BP Corporation North America. District Court of Wilson County, Kansas. 2004-CV-19. July 24.

2006 Nikko Materials USA, Inc., dba Gould Electronics v. NavCom Defense Electronics Inc., Ernest Jarvis, and Hyrum Jarvis. United States District Court, Central District of California. CV05-4158-JFW (VBKx). September 25-26.

2005 Rodney Montello et al. vs. Alcoa Inc. et al. vs. Whittaker Corporation. United States District Court for the Southern District of Texas, Victoria Division. C.A. No. V-02-84. December 19.

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2005 Goodrich Corporation vs. Commercial Union Insurance Company et al. In the Court of Common Pleas, Summit County, Ohio. Case No. CV 99 02 0410. September 20.

2005 Santa Fe Pacific Gold Corporation vs. United Nuclear Corporation vs. The Travelers Indemnity Company and Century Indemnity Company, Inc. Eleventh Judicial District Court, County of McKinley, State of New Mexico. Case No. CV-97-139II. September 8.

2005 Nathaniel Allen et al. vs. Aerojet-General Corporation et al. Superior Court of the State of California for the County of Sacramento. Case No. 98AS01025. August 29.

2005 Aerojet-General Corporation vs. Fidelity & Casualty Co. of New York et al., Aerojet-General Corporation vs. Commercial Union Insurance Company, as Successor-In-Interest to Employers' Surplus Lines Insurance Company, etc. et al. Superior Court of the State of California in and for the County of Sacramento. Case No. 527932. July 20.

2005 United States of America vs. Jay James Jackson et al. U.S. District Court for the District of Nebraska. Case No. 8:04CV64. June 9.

2005 Palmisano vs. Olin Corporation. U.S. District Court, Northern District of California, San Jose Division. Case No. 5:03-cv-01607-RMW. March 7.

2005 Cheryl Lanoux et al. vs. Crompton Manufacturing Company et al. 23rd Judicial District Court, Parish of Ascension, State of Louisiana. Suit No. 72,897, Division: "B". February 25.

2004 RHI Holdings, Inc. vs. American Employers Insurance Company. Commonwealth of Massachusetts Superior Court Department. Civil Action No. 01-5443-G. December 7.

2004 Massachusetts Electric Company et al. vs. Travelers Casualty & Surety Company et al. Commonwealth of Massachusetts Superior Court. Civil Action No. 99-00467B. November 18-19.

2004 PECO Energy Company vs. Insurance Company of North America, et al. Court of Common Pleas of Chester County, Pennsylvania. Case No. 99-07386. June 14-15.

2004 Kerr-McGee Corporation and Kerr-McGee Chemical, LLC, vs. Hartford Accident and Indemnity Company and Liberty Mutual Insurance Company. Superior Court of New Jersey Law Division: Somerset County. Docket No.: SOM-L-229-01. May 26.

2003 American States Water Company et al. vs. State of California et al. Superior Court of the State of California in and for the County of Sacramento. No. 98AS01998. August 14 – 15.

2003 Waste Management, Inc. et al. vs. The Admiral Insurance Company et al. Superior Court of New Jersey Law Division: Hudson County. Case No. HUD-L-931-92. May 15.

2003 Waste Management, Inc. et al. vs. The Admiral Insurance Company et al. Superior Court of New Jersey Law Division: Hudson County. Case No. HUD-L-931-92. May 6.

2003 Landowners, LTD. vs. Litton Industries, Black Copy, Robert Silver, dba Vito's Autobody, West Coast Corporation, doing business as Peabody's Custom Paint and Autobody Specialist, David Mangola, Robert Mangola, David Silver and DOES 1-50, Inclusive. Superior Court of the State of California in and for the County of Los Angeles. Case No.: BC255187. March 25.

2003 Bernice Samples et al. vs. Conoco, Inc.; Agrico Chemical Company, Inc; and Escambia Treating Company, Inc. Circuit Court of the First Judicial Circuit in and for Escambia County, Florida. Case No. 01-631-CA-01. March 20.

2002 State of Kansas vs. State of Colorado and United States of America. Supreme Court of the United States. Case No. 105 Original. December.

2002 PECO Energy Co. vs. Insurance Company of North America et al. Court of Common Plea Chester County, Pennsylvania. No. 99-07386. September 26 and 27.

2002 Associated Indemnity Corporation, and The American Insurance Company, vs. The Dow Chemical Company. U.S. District Court for the Eastern District of Michigan, Northern Division. No. 99 CV 76397. June 11 and 12.

2002 Bernice Samples et al. vs. Conoco, Inc.; Agrico Chemical Company, Inc; and Escambia Treating Company, Inc. Circuit Court for the First Judicial Court in and for Escambia County. Case No. 01-631-CA-01. June 7.

2002 State of New Mexico et al. vs. General Electric Company et al. The U.S. District Court for the District of New Mexico. Case No. CV 99-1254 BSJ/DJS and CV 99-1118 BSJ/LFG. April.

2002 Redlands Tort Litigation. Superior Court of the State of California for the County of San Bernardino. No. RCV 31496. February.

2001 State of Kansas vs. State of Colorado and United States of America. Supreme Court of the United States. Case No. 105 Original. August 2 and 3.

2001 Pfizer Inc. vs. Employers Insurance of Wausau. Superior Court of New Jersey Chancery Division: Middlesex County. Docket No. MID-C-108-92. July.

2001 Unisys Corporation et al. vs. Insurance Company of North America. New Jersey Superior Court, Law Division. Case No. L-1434-94-S. April.

2001 Gwendolyn Guillory et al. vs. Union Pacific Corporation et al. 14th Judicial District Court, Parish of Calcasieu, State of Louisiana. Case No. 98-5405. January 18.

2000 Chevy Chase Bank FSB vs. Shell Oil Company and Motiva Enterprises, LLC. U.S. District Court for the District of Maryland, Southern Division. Case No. PJM 00-CV-1557. November 22.

2000 American Home Products et al. vs. Adriatic Insurance Company et al. Superior Court of New Jersey Law Division: Hudson County. Docket No. HUD-L-5002-92. October.

2000 Sherwin-Williams vs. Artra et al. U.S. District Court for the District of Maryland. Case No. S-91-2744. September.

2000 Long Island Lighting Company vs. Allianz Underwriters Insurance Company et al. Supreme Court of the State of New York, County of New York. Index No. 97-604715. August and September.

2000 Texaco, Inc. vs. H.T. Olinde, et al. U.S. Bankruptcy Court, Southern District of New York. Case Nos. 87 B 20142 (ASH), 87 B 20143 (ASH), and 87 B 20144 (ASH). August.

2000 United States of America, People of California vs. J.B. Stringfellow, Jr. et al. U.S. District Court for the Central District of California. Case No. CV 83-2501 R. March 20.

2000 Maurice L. McIntire et al. vs. Motorola, Inc. District of Arizona. Case No. CIV 91-2067 PHX PGR. February 14, 15, and 16.

2000 Warner-Lambert and Parke-Davis Company vs. Admiral Insurance et al. Superior Court of New Jersey Law Division: Middlesex County. Docket No. L-10456-94.

1999 Consolidated Edison Company of New York, Inc. vs. Allstate Insurance Company et al. Superior Court of the State of New York. Case No. 98/600142. November 4.

1999 Merck & Co., Inc. vs. Federal Insurance Company et al. Superior Court of New Jersey Chancery Division: Middlesex County. Docket No. CM-340-96. November.

1999 Aerojet-General Corporation and Cordova Chemical Company vs. Transport Indemnity Insurance Co. et al. Superior Court of the State of California, County of Sacramento. No. 98AS05598. October.

1999 Niagara Mohawk Power Corporation vs. Jones Chemicals, Inc., et al. U.S. District Court, Northern District of New York. Case No. 95-CV-717. August 11.

1999 Pfizer Inc. vs. Employers Insurance of Wausau. Superior Court of New Jersey Chancery Division: Middlesex County. Docket No. MID-C-108-92. July.

1999 Niagara Mohawk Power Corporation. U.S. District Court, Northern District of New York. Case No. 95-CV-717. June 29.

1999 Textron, Inc. vs. Ashland, Inc., Archer Daniels Midland Company; and Millenium Petrochemicals, Inc. Superior Court of New Jersey Law Division; Essex County. Docket No. ESX-L-1562-98. June.

1999 The Mennen Company vs. Federal Insurance Company. Superior Court of New Jersey Law Division: Union City. Civil Action UNN-L-2031-97 (Consolidated Case Nos. UNN-C-10-97 & MRS-L-4051-96). May.

1999 E.I. duPont de Nemours and Company and Conoco Inc. vs. Condea Vista Company. District Court, Harris County, Texas, 55th Judicial District. Case No. 97-23468. April 22.

1999 Jersey Central Power & Light Company vs. American Casualty Company of Reading, PA et al. Superior Court of New Jersey, Chancery Division, Middlesex County. Docket No. C-299-94. March 17 and 18.

1998 Zurich Insurance Company vs. Joseph Dixon Crucible Company et al. Superior Court of New Jersey Law Division: Hudson County. Docket No. L-4898-96. November.

1998 M/A COM, Inc. vs. Liberty Mutual Insurance Company and Employers Insurance of Wausau. Superior Court of New Jersey Law Division: Middlesex County. Docket No. L-874-97. October.

1998 Aetna Casualty & Surety Company vs. Dow Chemical Company, and American Guarantee and Liability Company et al. U.S. District Court for the Eastern District of Michigan. Case No. 93 CV 73601 DT. June 23-25.

1998 C.E. Bradley Laboratories, Inc. vs. Commercial Union Insurance Company et al. State of Vermont Superior Court of Windham County. No. S427-95 WMC. May.

1998 State of Kansas vs. State of Colorado and United States of America. Supreme Court of the United States. Case No. 105 Original. April 30.

1998 Kay Bettis et al. vs. Ruetgers-Nease Corporation et al. U.S. District Court for the Northern District of Ohio, Eastern Division. Case No. 4:90 CV 0502. March 17-18.

1998 State of Nebraska, vs. State of Wyoming. Supreme Court of the United States. No. 108. March.

1998 Sally Comeaux et al. vs. Vista Chemical Company et al. 14th Judicial District, Parish of Calcasieu, State of Louisiana. No. 95-6539. February 6.

1997 Harris Corporation vs. Travelers Indemnity Company and Commercial Union Insurance Company. U.S. District Court, Middle District of Florida, Orlando Division. Case No. 96-166-ORL-19. November 6.

1997 Morrison Enterprises vs. Aetna Casualty & Surety Company et al. District Court of Adams County, Nebraska. Case No. 94128. October 22.

1997 Air Products and Chemicals, Inc. vs. Hartford Accident and Indemnity Co. Superior Court of New Jersey Law Division: Middlesex. Docket No. L-17134-89. October.

1997 Dianne Lofgren et al. vs. Motorola, Inc. et al. Superior Court of the State of Arizona in and for the County of Maricopa. Case No. CV 93-05521, CV 93-15612, CV 94-08956, CV 95-05322 (consolidated). October.

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