

Boyd J. Ramsey

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Introduction:

Boyd Ramsey has been a leader within the geosynthetic, environmental containment and waste disposal industries for over 30 years. He has a long history as an employee of GSE Environmental LLC (now Solmax).

He has been directly involved in the geosynthetics, geomembrane, GCL (geosynthetic clay liner) and drainage media global geosynthetic industry during his career.

He served for over a decade on the Board of Directors of the [Geosynthetic Institute](#), including a term as Chairman of the Board. In 1996, he was one of the members of the group that developed the initial GRI-GM13 Specification “Test Methods, Test Properties, Testing Frequency for High Density Polyethylene (HDPE) Smooth and Textured Geomembranes” which became and is still currently the most used global specification for geosynthetic barriers.

He has been a member of the International Geosynthetics Society Technical Committee on Barrier Systems from its inception in 2010 to present, serving as co-chairman from 2012 to 2019.

In his roles at GSE he advised and assisted with the design and selection of containment systems at several of the world largest cities including [New York City](#) at the [Fresh Kills facility](#), in [Hong Kong](#), at the NENT facility and other regional landfills and hundreds of other municipal disposal sites in the United States and around the world. Additionally, he has been involved in hazardous waste disposal at sites in the USA such as the [Savannah River Superfund site](#) with the US Department of Energy and disposal facilities at the [Oak Ridge](#) and [Lawrence Livermore](#) National Laboratories and other locations.

He is currently the Secretary / Treasurer of the IGS Foundation. His past [International Geosynthetics Society](#) positions include two 4-year terms elected to the IGS Council, 6 years as Chairman of the IGS Technical Committee on Barriers, Finance Chairman and other committees. He is currently co-chair of the [IGS Sustainability Committee](#). He is a past chairman of the [Geosynthetic Materials Association](#) the leading industry organization lobbying for the advancing the use of geosynthetics within the USA and global markets.

Employment and association history:

1/17 to present Boyd Ramsey Consulting LLC, Houston, Texas
Principal www.boydr Ramsey Consulting.com

Principal and owner of this sole proprietorship, independent consultancy.

7/96 to 12/16 GSE Lining Technology Inc., Houston, Texas
Final position -Technical Director – Asia Pacific

Responsible for new product, market and application development and strategic recommendations. Industry representative for trade groups, governmental and regulatory lobby efforts and industry research institutes including the national EPAs, national bodies of engineers and other global, national, state and local agencies.

Past Positions within GSE

2/10 to 8/15 Chief Engineer
3/08 to 2/10 Vice President – Global Technical Business Development
1/01 to 3/08 Vice President – North American Sales
7/96 to 1/01 Manager, Materials Engineering

Past Chairman Executive Council: Geosynthetic Materials Association
www.gmanow.com

[International Geosynthetics Society](#), Benefactor, Past Chairman-Finance Committee, Secretary/Treasurer of the Board of Trustees – International Geosynthetics Society Foundation, Past IGS Council elected member, Past Chair Technical Committee-Barriers.

Past Member and Chair, Board of Directors: The Geosynthetic Institute, Philadelphia, PA
<http://www.geosynthetic-institute.org/>

7/91 to 7/96 Thermofil Inc./Nippon Steel Chemical Co., Brighton, MI
Manager, Technical Service and New Product Development
Leadership of Kaizen/continuous improvement, ISO 9000 / QS 9000 and STOP safety teams. ISO 9001 Quality Auditor – Management Representative

3/87 to 7/91 Ferro Corp. Horizon Polymers Division, Houston, TX.
Plant Manager, Technical Manager
Plant Manager of a 65-employee 40MM lb./year plastics compounding facility.

12/85 to 3/87 Reef Industries, Houston, TX
Technical Director
Technical management responsibility for blown film, cast film, extrusion coating, lamination and four-color printing lines.

2/82 to 12/85

Americhem Inc., Elgin, IL

Technical Service Representative

Promoted twice within two years at this specialty plastics compounder.

Education and Affiliations:

University of Illinois, Bachelor of Science, Chemistry 1985

Member American Chemical Society, Society of Plastics Engineers,
and American Society of Civil Engineers

Company Representative: American Coal Ash Association, International
Association of Geosynthetic Installers and other industry groups

Patents:

US Patent # 04988236: Polymeric tape with Biocide

US Patent # 6802672: Leachate Distribution System

US Patent # 7470094B2: Round Strand Geosynthetic

Publications:

Ramsey, B.J and Kempthorn, J.T., "Gas and Vapor Transmission in Medical Packaging Film Materials", Proceedings of the Medical Design and Device Conference, Anaheim, CA (1988).

Keswani, S.T, Chundury, D. and Ramsey, B.J., "Kink Resistant Medical Tubing: Design Considerations and Effect of Material Properties", Proceedings of the Medical Design and Device Conference, New York, NY (1990).

Keegan, N. and Ramsey, B.J., "Accelerated Weathering Performance of White, Light Reflective Polyethylene Film and Sheet Samples", Proceedings of the 12th GRI Conference, Philadelphia, PA (1998).

Karian, Harutun G. et al. Handbook of Propylene and Propylene Composites 1st ed. New York, Marcel Dekker Inc. 1999

Erickson, Richard et al. "The GSE GundSeal GCL Design Manual" Company publication; GSE Lining Technology Inc. 2000

Narejo, D., Hardin, K. and Ramsey, B.J., "Geotextile Specifications: Those Vexing Qualifiers", Geotechnical Fabrics Report, volume 19, number 7, September 2001.

Narejo, Dhani et al. "The GSE Drainage Design Manual" Company publication; GSE Lining Technology Inc. 2004

Ramsey, B.J. and Youngblood, J., "Characterization of Textured Geomembrane Predictive of Interface Properties: Demonstration of a New Technology, Proceedings of the 22nd GRI Conference, Salt Lake City, Utah (2008).

Li, M. and Ramsey, B.J., "An Experimental Study of Water and Air Transmissivity of Nonwoven Geotextiles and Geonet Composites", Proceedings of Geosynthetics 2009, Salt Lake City, Utah (2009).

Ramsey, B.J. and Aho A., "Geosynthetic Market Impacts of Potential Regulation of the Storage of Coal Combustion Residuals", Proceedings of GeoAmericas 2011, Lima, Peru, (2011).

Gallagher D., Youngblood J., Ramsey, B., " New Electrically Conductive Geosynthetics in Support of Post Installation Liner Integrity Surveys", Proceedings of GeoAmericas 2011, Lima, Peru, (2011).

Ng H.B. and Ramsey B., " Geosynthetic Lining System for Modern Waste Facilities – Experiences in Developing Asia", Geotechnical Engineering Journal of the SEAGS & AGSSEA Vol. 43 No.3 September 2012 (ISSN 0046-5828).

Ramsey B. J., Youngblood J., Gallagher D. and Peggs I., "New Electrically Conductive Geomembrane for Post Installation Liner Integrity Surveys, Proceedings of EuroGeo5, Valencia, Spain (2012).

Ramsey, B.J., Betke, W., Peggs, I., "Storage Of Coal Combustion Residuals With A Geosynthetic Liner A 30 Year Forensic Study", Proceedings of Geosynthetics 2013, Long Beach, California (2013).

Ramsey, B.J., "A Brief History of Geosynthetic Drainage Media", Proceedings of the 25th GRI Conference, Long Beach, California (2013).

Ramsey, B.J. and Aho A., "Market Impacts for Geosynthetic From The Regulation Of The Storage Of Coal Combustion Residuals", Proceedings of Geosynthetics 2013, Long Beach, California (2013).

Ramsey, B.J., "Advances in geomembranes: Leak location liner: Geomembrane barrier systems with increased integrity", Proceedings of 10th International Congress on Geosynthetics, Berlin, Germany, (2014).

Ramsey, B.J., "Market Impacts for Geosynthetics from the Regulation of the Storage of Coal Combustion Residuals in North America", Proceedings of 10th International Congress on Geosynthetics, Berlin, Germany, (2014).

Ng H.B., Weir, I and Ramsey B., " Enhanced Post Installation Liner Integrity Surveys using Electrically Conductive Geomembrane" Proceedings of the 7th ISSMGE conference, Melbourne,

Australia, (2014).

Diviacchi, V. and Ramsey B., “Advances in Geomembranes: Leak Location Liner: Geomembrane Barrier Systems with Increased Integrity” Proceedings of the 68th Canadian Geotechnical Conference, Québec, Canada, (2015).

Ramsey B., Liu N., Geutebrück E., “A Field Demonstration: Monitoring of a Leak Location Liner /Geomembrane For Leakage” Proceedings of GeoAmericas, Miami Beach, Florida, (2016)

Ramsey B., Liu N., Geutebrück E., “A Field Demonstration of a Conductive Geomembrane – Distance Testing” Proceedings of GeoAmericas, Miami Beach, Florida, (2016)

Ramsey B., “Geomembrane selection criteria: an update for today’s products” Proceedings of GeoAfrica 2017, Marrakesh, Morocco (2017)

Ramsey B., et.al.,” New technique for predictive geomembrane stress crack performance: Commercial application” Proceedings of the 11th International Congress on Geosynthetics, Seoul, Korea (2018)

Ramsey, B., Corbett S., “Developments and guidance in global geosynthetic specification and regulations”, Proceedings of the 11th International Congress on Geosynthetics, Seoul, Korea (2018).

Ramsey, B. “Improvements and Advances in Construction Quality Assurance for Geosynthetics”, Proceedings of the 17th African Regional Conference on Soil Mechanics and Geotechnical Engineering, Capetown, South Africa (2019).

Ramsey. B. “White Polyethylene Geomembrane: forensic and laboratory evidence for superior durability”, in review.