

**Richard Thiel, PE – Curriculum Vitae**

President, Thiel Engineering, Inc., Oregon House, CA

**Registrations**

Registered Professional Civil Engineer in home state in California, with registration in Oregon and Washington. Geotechnical Engineer registration in Oregon.

**Education**

MS, Civil Engineering (emphasis in geomechanics), Univ of WI, Milwaukee, 1985  
BS, Civil Engineering (emphasis structural and geotec), Univ of WI, Milwaukee, 1983

**Areas of Specialty – Engineering**

34+ years experience specializing in containment design applications for waste containment for solid waste industry, secondary containment of fuel, leach mining applications, and construction expert. Provides services for slope stability of liner and cover systems; leachate collection, piping, and pumping; grading (filling & excavation) design and practice; construction inspection/testing and CQA; litigation and mediation support.

**Representative Experience**

Responsibilities range from permitting, investigation, analysis and feasibility, to final design and project management for construction projects. Remains actively involved in the engineering investigation, design, construction, and review for technical investigations.

Early career activities were as staff engineer for design and engineering analyses on clay-core rockfill dams in different stages of investigation, design, and construction. Remainder of career has been largely focused in the geotechnical and construction aspects of lined containment facilities and related infrastructure such as roads, foundations, piping, and pump stations.

At his present position, Mr. Thiel has specialized in liner system and related infrastructure designs, slope stability investigations, and construction quality assurance monitoring on approximately 80 liner, cover, and pond projects. Most of the projects have occurred on the west coast in Oregon, Washington, and California. Other projects have occurred in Arizona, New Mexico, Oklahoma, Nebraska, Florida, Montana, Wyoming, Michigan, Texas, and Pennsylvania. While most of the work has involved design and construction issues related to liner and cover systems, related work has included the design and construction of roads, pipelines, pump stations, retaining walls, building foundations, and general grading and drainage. Mr. Thiel also provides consultation related to landfill operations and management of leachate and landfill gas. He regularly participates in national and international workshops and conferences on solid waste management and geosynthetics.

**Professional History**

1995-Present - President, Thiel Engineering, Oregon House, California.

2011-2013 - Senior Engineer – Geo-Logic Associates (purchaser of Ausenco-Vector's Grass Valley, California office) (overlapping engagement with Thiel Engineering).

2009-2011 – Senior Engineer – Ausenco-Vector, Grass Valley, California (overlapping engagement with Thiel Engineering).

2002-2008 – Vice President Engineering Services/Senior Project Manager, Vector Engineering, Grass Valley, California (overlapping engagement with Thiel Engrg)

1987-1995, Supervising Engineer;EMCON Associates, San Jose, California

1985-1987, Staff Engineer, Harza Engineering, Chicago, Illinois

## Professional Affiliations

American Society of Civil Engineers

American Society for Testing and Materials

International Geosynthetics Society

North American Geosynthetics Society

## Teaching, Appointments and Awards

Chairman for “Geosynthetics Conference” to be held in Houston, TX Feb 2019.

Instructor of California State and Regional Water Boards 2015-2020 providing multi-day courses, webinars, and individual instruction.

Instructor for ASCE Course on Lining Systems for Waste Containment 2001-present

Technical Co-Chairman for "Geosynthetics '97" held in Long Beach, CA March 1997.

Chairman for “Geosynthetics '99” held in Boston, MA in April 1999.

Chairman for “Geosynthetics 2001” held in Portland, OR in February 2001.

Awards of excellence for outstanding technical contribution for papers submitted to Geosynthetics '93 (*Grand Award for a technical paper relating to final cover designs and slope stability*) and Geosynthetics '99 (*award-winning paper to account for gas uplift pressures under liner systems*) conferences.

Half- and full-day education courses for Boise State, University of Reno, CETCO, GSE, and Tenax Corp; IFAI Conferences.

## Publications

Author or co-author of more than 80 technical publications (publication list is available on [www.rthiel.com](http://www.rthiel.com) ).

## Expert Services

- **Plaintiff Expert** (seven times), **Defendant Expert** (ten times), **Court-Appointed Expert** (one time), and **Neutral Expert** on liner system and construction projects.
- Participated in **mediation** conferences (three times) and full-day **depositions** (five times).
- **Court Testimony** one time in Florida.
- **Mediator** between Owner, Contractor, and Engineer in one Florida case.