

**LPST-CAPM  
Accredited Training  
for Environmental  
and Industry  
Professionals**

**Over 1500  
participants  
have already  
benefited from these  
informative courses.**



**NOTICE**

**LPST-CAPM  
CONTINUING EDUCATION:  
SATISFY 2 YEARS OF  
CE REQUIREMENTS  
IN ONLY 4 DAYS!**

**CONTINUING LEGAL  
EDUCATION: 2 COURSES  
NOW ACCREDITED.**



**Texas Risk Reduction Program** regulations (TRRP; 30 TAC 350) establish consistent **risk-based protocols** for evaluation and response to **soil, groundwater, or surface water** contamination associated with an environmental release of hazardous wastes or substances. Since adoption of the TRRP rule, the Texas Commission on Environmental Quality

(TCEQ) has established policies and released guidance pertaining to TRRP. Presented by GSI Environmental Inc., with participation of key TCEQ technical staff, this popular and informative training series is a must for professionals who need a working understanding of TRRP and those needing to stay up-to-date with the latest TRRP guidance and policies adopted by the TCEQ.

**The TCEQ TRRP Training Program**

■ **TRRP Rule Step-By-Step (2 days)**

Two-day session providing an overview of TRRP framework and step-by-step training on site evaluation and remediation procedures established under the TRRP rule.

■ **TRRP Guidance and Policy (1 day)**

This one-day course provides an overview of the key guidance and policies covering affected property assessment, PCL development, and response action. The course also presents strategies for efficient project management in compliance with TRRP and will explain the various report forms adopted by the TCEQ.

■ **TRRP Hands-On (1 day)**

One-day session providing technical staff with detailed training in TRRP requirements and data calculation methods. Participants will work exercises and case studies using relevant risk assessment software tools.

*Enrollment limited.*

Sponsored by

**TEXAS  
ASSOCIATION  
OF  
ENVIRONMENTAL  
PROFESSIONALS**

[www.taep.org](http://www.taep.org)



[www.gsi-net.com](http://www.gsi-net.com)  
**Register On-Line**

# The TCEQ TRRP Training Program

## TRRP Rule Step-By-Step (2 DAYS)

- TRRP Applicability
- General Rule Organization and Key Features
- Release Notification
- Affected Property Assessment
- Development of Human Health PCLs
- Development of Ecological PCLs
- Response Actions and Post-Response Action Care

### CONTINUING ED:

**TRRP Rule Step-by-Step:**  
**LPST-CAPM: 16 credits**  
**MCLE: 14 credits**

## TRRP Guidance & Policy: (1 DAY)

- Affected Property Assessment
  - Groundwater Classification
  - Assessment of Surface Water and Sediment
  - Ecological Risk Assessment
- PCL Development
  - Toxicity Factors for Unlisted Chemicals
  - Total Petroleum Hydrocarbons (TPH)
  - Use of Statistics
- Response Actions
  - Non-Aqueous Phase Liquids (NAPL)
  - Monitored Natural Attenuation

### CONTINUING ED:

**TRRP Guidance and Policy:**  
**LPST-CAPM: 8 credits**  
**MCLE: 7.5 credits**

## TRRP Hands-On: (1 DAY)

- Guidelines for Modeling Under the TRRP Rule
- Case Studies / Software
- Case Studies / Example Site

### CONTINUING ED:

**TRRP Hands-On:**  
**LPST-CAPM: 8 credits**

For More Info or  
 On-Line Registration:  
[www.gsi-net.com](http://www.gsi-net.com)

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 Houston, Texas 77098-4054  
 tel. (713) 522-6300



## Course Instructors



### John A. Connor, P.E., P.G., BCEE

- President, environmental engineer, GSI Environmental Inc. (GSI); over 28 years experience
- Author of Tier 2 RBCA Guidance Manual and GSI User's Guide to the Texas Risk Reduction Rules
- Assisted development of TRRP and other risk-based regulatory programs in over 15 states
- Project specialization: risk management and strategic planning; corrective action design; regulatory and policy development, litigation support

### Paul Lewis (TRRP Rule Step-By-Step Section)

- Acting Manager, Technical Support, TCEQ Risk Assessment Division
- Team leader for development of Risk Reduction Rules (RRR; 1993)

### Greg Tipple (TRRP Rule Step-By-Step Section)

- Technical Support, TCEQ Risk Assessment Division
- Experience in Solid Waste, RCRA, and Superfund programs, TCEQ and predecessor agencies since 1975
- Contributing author: TRRP Rule; TRRP Guidance; Risk Reduction Rules (RRR;1993)

### Thomas McHugh, Ph.D., D.A.B.T

- Vice President, environmental toxicologist, GSI; over 17 years experience
- Project specialization: human health and ecological risk assessment; bioremediation by natural attenuation; software development

### Charles J. Newell, Ph.D, P.E., BCEE

- Vice President, environmental engineer, GSI; over 28 years experience
- Project specialization: groundwater modeling, non-aqueous phase liquids, risk assessment, natural attenuation, bioremediation, non-point source studies and software development.

### Richard L. Bowers, P.E.

- Environmental engineer, GSI; over 15 years experience
- Project specialization: environmental risk assessment; fate & transport modeling; corrective action design/implementation; and software development.

## Dates and Location

<b>Nov. 8 - 9:</b>	TRRP Rule Step-By-Step	\$ 495
<b>Nov. 10:</b>	TRRP Guidance & Policy	\$ 395
<b>Nov. 11:</b>	TRRP Hands-On	\$ 495
<b>Nov. 8-11:</b>	All 4 days	\$ 1095

10 % discount for TAEP Members.

**LOCATION: University of Houston Hilton**  
 Convenient access to Hobby Airport.

Sponsored By:

### The Texas Association of Environmental Professionals (TAEP)

Committed to achieving the highest standards of ethics and competence within the environmental professions, TAEP is the Texas chapter of the National Association of Environmental Professionals (NAEP).

TAEP has well over 300 active members and has established a chapter in Austin. The primary aims of TAEP are the advancement of the environmental profession and the establishment of a forum to discuss important environmental issues.

