

SHALE-GAS DEVELOPMENT AND WATER ISSUES

Information exchange symposium

Hydraulic fracturing technologies for shale-gas development
& operation and their water resources impacts

Thursday March 22 and Friday March 23, 2012

Austin Marriott South, 4415 S IH 35, Austin, Texas 78744

This program will provide a balanced information-exchange opportunity among the energy industry, the water industry and citizens and communities with an interest in the economic potential of shale gas development and the long-term environmental sustainability of water sources and water dependent ecosystems.

Symposium organizers:

American
Ground Water
Trust



American Institute
of Professional
Geologists

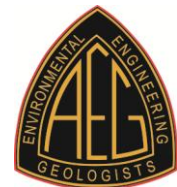
In cooperation with:



Society of Independent
Professional Earth Scientists



With Special Thanks to the SIPES Houston Chapter



Bureau of Economic Geology
Railroad Commission of Texas
American Geosciences Institute
Texas Groundwater Association
Energy Institute – University of Texas at Austin
Society of Independent Professional Earth Scientists
Association of Environmental and Engineering Geologists Texas Section
International Association of Hydrogeologists Commission on Groundwater for Decision Makers

American Ground Water Trust - American Institute of Professional Geologists

The American Institute of Professional Geologists (AIPG), was founded in 1963, and is the largest association dedicated to promoting geology as a profession. It presently has more than 5,500 members in the U.S.

The American Ground Water Trust (AGWT) was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in ground water issues and to achieve the objective of science-based water resources policies at local, state and federal level.



Professional Geologists - Earn up to 1.1 CEU's or 11 PDH's!



"WATER RESOURCES AND FOSSIL FUELS HAVE ECONOMIC VALUE"

PROGRAM – Thursday, March 22

9:00 – 10:00 REGISTRATION AND EXHIBITS

10:00 – 12:15 Session 1

10:00 – 10:15 WELCOME AND PROGRAM INTRODUCTION

Larry Cerrillo, CPG, AIPG Past President
Andrew Stone, Executive Director, AGWT

10:15 - 10:45 THE ECONOMIC IMPORTANCE OF THE TEXAS SHALE-GAS INDUSTRY

Alex Mills, President, Texas Alliance of Energy Producers, Wichita Falls, TX

10:45 – 11:15 IMPACTS OF SHALE-GAS DEVELOPMENT ON WATER RESOURCES

Robert Mace, Deputy Executive Administrator, Water Science & Conservation at Texas Water Development Board, Austin, TX

11:15 – 11:45 REGULATIONS AND PERMITS FOR SHALE-GAS DEVELOPMENT AND PRODUCTION

Doug Johnson, Manager for Injection - Storage, Permits and Support, Technical Permitting Section, Oil & Gas Division, Railroad Commission, Austin, TX

11:45 – 12:15 SHALE-GAS DEVELOPMENTS AND THE POTENTIAL IMPACT (GOOD & BAD) ON THE ENVIRONMENT

C.O. "Doc" Stokley, Technical Director, Stokley Petroleum Technology, Inc, Cypress, TX

12:15 – 1:30 LUNCH AND KEYNOTE PRESENTATION



THE ROLE OF UNCONVENTIONALS IN THE GLOBAL ENERGY FUTURE

Scott Tinker, CPG, Director, Bureau of Economic Geology
Jackson School of Geosciences, University of Texas at Austin

Dr. Tinker worked in the oil and gas industry for 17 years in research, exploration, and development prior to coming to The University of Texas at Austin in 2000. Scott has been a licensed professional geoscientist in Texas since 2003. He is the past President of the American Association of Petroleum Geologists and the Association of American State Geologists and is currently President of the Gulf Coast Association of Geological Societies. Dr. Tinker also holds appointments to the National Petroleum Council and the Interstate Oil and Gas Compact Commission, and he currently serves on several private, university, and professional boards. Dr. Tinker is the Director of the Bureau of Economic Geology (BEG) and the Director of the Advanced Energy Consortium. He is also the acting Associate Dean for Research and Professor, and he holds the Allday Endowed Chair in the Jackson School of Geosciences at The University of Texas at Austin.

1:45 – 3:15 Session 2

1:45 – 2:15 GAME CHANGING TECHNOLOGY FOR TREATING AND RECYCLING FRAC WATER

John Ely, President, Ely & Associates, Houston, TX

2:15 – 2:45 HYDRAULIC FRACTURING SAFETY FROM A ROCK MECHANICS AND FLUID CHEMISTRY PERSPECTIVE

Kevin Fisher, Executive VP Global Business Development, Flotek Industries, Houston TX

2:45 – 3:15 A BETTER UNDERSTANDING OF HYDRAULIC FRACTURING STIMULATION THROUGH MICROSEISMIC MONITORING AND MAPPING

John A. Ughetta, VP Worldwide Sales MicroSeismic Inc., Houston, TX

3:15 – 3:30 BREAK

3:30 – 5:00 Session 3

3:30 – 4:00 GROUNDWATER RESOURCES: WHAT TO EXPECT WHEN YOU ARE EXPECTING SHALE-GAS DEVELOPMENT IN YOUR AREA

Hughbert Collier, CPG, Hydrogeologist, Collier Consulting, Inc., Stephenville, TX

4:00 – 4:30 ABOVE-GROUND ENERGY/WATER ASPECTS OF UNCONVENTIONAL GAS AND HYDROFRACKING

Michael Young, Associate Director for Environmental Systems, Bureau of Economic Geology, University of Texas, Austin, TX

4:30 – 5:00 **GEOLOGIC CRITERIA FOR DETERMINING PROTECTED GROUNDWATER AND FOR IDENTIFYING GEOLOGICALLY ISOLATED DISPOSAL ZONES**
Robert Traylor, CPG, Geologist, Texas Rail Road Commission, Austin, TX

5:00 – 6:30 Reception (cash bar)
7:00 – 9:00 Screening of “SWITCH” a feature-length documentary on global energy

PROGRAM – Friday, March 23

8:00 – 10:00 Session 4

8:00 – 8:15 **PUBLIC PERCEPTIONS & MIS-PERCEPTIONS OF SHALE-GAS DEVELOPMENT IMPACTS ON THE ENVIRONMENT AND WATER SUPPLY INTEGRITY**
Andrew Stone, Executive Director, American Ground Water Trust, Concord NH

8:15 -8:30 **CITIZEN CONCERNS RELATED TO SHALE-GAS DEVELOPMENT AND PRODUCTION IN TEXAS**
David Weinberg, Executive Director of the Texas League of Conservation Voters, Austin TX

8:30 – 8:45 **RURAL WATER SUPPLY PERSPECTIVE ON THE POSITIVE IMPACTS OF OIL & GAS DEVELOPMENT**
David Wallace, General Manager, El Oso Water Supply Corporation, Karnes City, TX

8:45 – 9:00 **DEBUNKING "GASLAND"**
John Ely, President, Ely & Associates, Houston, TX

9:00 – 9:30 **LESSONS LEARNED FROM THE BARNETT SHALE, RANGE RESOURCES LITIGATION**
Charles Kreitler, Senior Vice President, LBG-Guyton Associates, Austin, TX

9:30 -10:00 **GAS ORIGINS: DIAGNOSTIC ENVIRONMENTAL PARAMETERS USED IN SHALE-GAS/ GROUND WATER STUDIES**
John Oneacre, President, Ground Water Solutions Ltd. Houston, TX

10:00 – 10:30 BREAK

10:30 – 12:30 Session 5

10:30 – 11: 00 **OIL & GAS INDUSTRY REGULATORY COMPLIANCE: MANY COMPANIES GO ABOVE AND BEYOND**
Anne Weber, CPG, Attorney, Weber Law Firm, Denver, CO

11:00 – 11:30 **SHALE GAS AND LITIGATION: WHO IS SUING WHOM AND FOR WHAT REASON?**
Julia Adams, Attorney, Sedgwick, Houston, TX

11:30 – 12:00 Keynote Presentation



FACT-BASED REGULATION FOR ENVIRONMENTAL PROTECTION IN SHALE GAS RESOURCE DEVELOPMENT: (Report released February 16th) An Update on Energy Institute Research

**Charles G. Groat, CPG, Associate Director, Energy Institute
Jackson School of Geosciences, The University of Texas at Austin**

Dr. Chip Groat is the Director of the Center for International Energy and Environmental Policy and Director and Graduate Advisor of the Energy and Earth Resources Graduate Program. He holds the John A. and Katherine G. Jackson Chair in Energy and Mineral Resources in the Department of Geological Sciences, Jackson School of Geosciences, and is Professor, LBJ School of Public Affairs. He assumed these positions after serving 6 ½ years as Director of the U.S. Geological Survey. He served as interim dean of the Jackson School of Geosciences at UT from July 2008 to August 2009. His previous experience at UT was as Associate Director and Acting Director of the Bureau of Economic Geology and Associate Professor of Geological Sciences. He was appointed an Associate Director of the Energy Institute in the spring of 2010. He has been a member of the National Research Council Board on Earth Sciences and Resources and the Outer Continental Shelf Policy Board. He is a past President of the Association of American State Geologists and of the Energy Minerals Division and Division of Environmental Geosciences of the American Association of Petroleum Geologists.

12:00 – 12:15 WRAP-UP AND ADJOURN

(Speaker biographical details available on-line at www.aipg.org and www.agwt.org)

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[Return address: AGWT, 50 Pleasant Street, Concord, NH 03301]



PRESENTATIONS FROM TOP EXPERTS
THE TRUTH ABOUT "FRACKING"
LATEST INDUSTRY TECHNOLOGIES
PERSPECTIVES FROM ALL SIDES
LEGAL ISSUES AND RESOLUTIONS
FRACKING IMPACTS ON WATER
LET SCIENCE BE THE BASIS FOR POLICY



REGISTRATION FORM – SHALE-GAS DEVELOPMENT AND WATER ISSUES – AUSTIN, TX – MARCH, 2012

Registration includes: access to exhibits, the movie "SWITCH"
networking reception, handouts, breaks and lunch

Two Day
March 22 and 23

One Day
March 22 or March 23

YOU MUST CHECK ONE:

- General Conference Registration
Members of AIPG, AGWT, AEG and SIPES
Government Employee (Municipal, County, State, Federal)
Full-Time Student (ID required at Registration)
Exhibit Table (You must also register to attend.)

- \$390
 \$340
 \$340
 \$100

- or
 \$210
 \$170
 \$170
 \$60

\$300

Total for all checked boxes \$

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Questions?

Call: 303 412 6205

or,

E-mail: cld@aipg.org