

Hydraulic Fracturing Conference: Water and environmental issues related to energy resource development in the California Monterey Shale



California - Tuesday July 16 & Wednesday July 17, 2013
Sheraton Agoura Hills Hotel (near Thousand Oaks)
30100 Agoura Road, Agoura Hills, CA 91301



Registration and payment on-line at www.agwt.org

[MCLE Credit (11 hours) available for California Attorneys]

This information-exchange program is a “must attend” event for citizens and decision-makers, who live, work or own property in the Monterey Shale area in addition to people who make or influence policy related to the development of energy resources. This program is based on a successful conference held earlier this year in Austin, Texas where “shale gas and water resources issues” was the event focus.

Opinion should be based on facts... Everybody is entitled to their own opinion ... Nobody is entitled to their own facts
Expert presenters at this program will provide a balance of useful, defensible and informed opinion.

What can California learn from energy development / water issues in other states?
How is public understanding of the technology framing state and local opinion and policy in California?
What will be the economic and environmental impact if the Monterey Shale oil potential is fully developed?

Where does the energy potential from Monterey Shale fit with national policy?
How can energy development and water / environment options coexist?
Has new technology in hydraulic fracturing made the process completely safe?
Is new water treatment technology and “no-water” hydraulic fracture a game-changer?
What are the legal issues regarding permit authority and oversight?
What are the effects of litigation in the decision-making process over permits?

Day One Program 9:30am to 5:00pm (Reception 5:00pm to 6:30pm) Day Two Program 9:00am to 3:30pm

8:30 – 9:30 **REGISTRATION** (Tuesday July 16)

Opening Keynote Presenter (9:30am)



Senator Fran Pavley, (D-Agoura Hills), California Senator, 27th District

Sacramento Update on Fracking

In May, the Senate approved SB 4 by Sen. Fran Pavley which would require public noticing before fracking can take place, permits, disclosure of chemicals and an independent scientific study of fracking and its risks to California, among other provisions. Sen. Pavley’s bill would usher in a new era of accountability and transparency, providing critical data that would enable California to adjust its policies in the future, if necessary.

10:00 – 10:35

Tim Kustic, State Oil & Gas Supervisor, Division of Oil, Gas, & Geothermal Resources, Sacramento, CA
REGULATORY OVERSIGHT OF OIL AND GAS DEVELOPMENT OPERATIONS IN CALIFORNIA

10:35 – 11:10

Dr. Christopher Gabelich, Senior Environmental Specialist, Metropolitan Water District, Los Angeles, CA

HYDRAULIC FRACTURING: IMPLICATIONS FOR LOCAL WATER RESOURCES

11:10 – 11:30 **BREAK**

11:30 – 12:05

Adam Orford, Attorney, Orford Law, Portland, OR

ENERGY POLICY IN THE SECOND OBAMA ADMINISTRATION

12:05 – 12:40

Gordon B. Pickering, Director, Energy Practice, Navigant Consulting, Sacramento, CA

ENERGY DEVELOPMENT TECHNOLOGIES: A NEW VISION FOR CALIFORNIA

12:40 – 1:50 **LUNCH**

1:50 – 2:25

Randy Brandt, Principal Geologist, Geosyntec, Oakland, CA

ASTM STANDARD DEVELOPMENT FOR HYDRAULIC FRACTURING

2:25 – 3:00

Matthew Kohlbecker, Senior Hydrogeologist, GSI Water Solutions, Inc., Portland, OR

METHODS FOR DETERMINING IF HYDROCARBON GAS IN GROUNDWATER IS NATURALLY OCCURRING OR ANTHROPOGENICALLY-DERIVED: EXPERIENCES FROM COLORADO AND THE PACIFIC NORTHWEST

2:00 – 3:35

William Pedler, President, RAS Inc. Golden, CO

ADVANCED METHODS OF AQUIFER CHARACTERIZATION AND MONITORING DESIGN: THE APPLICATION OF BOREHOLE GEOPHYSICS, HYDROPHYSICS AND HYDROGEOLOGIC METHODS

3:35 – 3:50 **BREAK**

3:50 – 4:25

Nick Ortiz, Western States Petroleum Association Manager, Bakersfield, CA.

HYDRAULIC FRACTURING: MYTHS AND FACTS, IMPLICATIONS OF DEVELOPING THE MONTEREY SHALE

4:25 – 5:00

Andrew Grinberg, Oil and Gas Program Coordinator, Clean Water Action, Oakland, CA

LEGISLATION ADDRESSING FRACKING AND ENVIRONMENTAL ISSUES IN CALIFORNIA

5:00 – 6:30 **RECEPTION** (cash bar)



8:00 – 9:00 **REGISTRATION** (Wednesday July 17th)

9:00 – 9:35

John Williams, Director of Engineering and Research & Development, TERRA Services LLC, Irving, TX

TOTAL WATER MANAGEMENT SOLUTIONS FOR HYDRAULIC FRACTURING: ZERO LIQUID DISCHARGE

9:35 – 10:10

Bruce Baizel, Director, Energy Program, Oil & Gas Accountability Project, Earthworks, Durango, CO

ENVIRONMENTAL PERSPECTIVE ON THE DEVELOPMENT OF OIL & GAS FROM SHALE

10:10 – 10:45

Scott Slater, Attorney, Brownstein Hyatt Farber Schreck, LLP, Santa Barbara, CA

LOCAL GROUNDWATER MANAGEMENT OF FRACKING: WHAT THE FUTURE HOLDS

10:45 – 11:00 **BREAK**

11:00 – 11:35

Earl Hagström, Attorney, Sedgwick LLP, San Francisco, CA

SHALE OIL & GAS LITIGATION: WHO IS SUING WHOM AND FOR WHAT REASON?

11:35 – 12:10

Daniel Brian, Attorney, Beveridge & Diamond, San Francisco, CA

BALANCING TRADE SECRETS AND PUBLIC DISCLOSURE IN HYDRAULIC FRACTURING OPERATIONS IN CALIFORNIA

12:10 – 1:10 **LUNCH**

1:10 – 1:45

Don Clarke, Geologist/ Director, Petroleum Technology Transfer Council, Lakewood, CA

INDUCED SEISMICITY POTENTIAL IN ENERGY TECHNOLOGIES: NATIONAL RESEARCH COUNCIL OF THE NATIONAL ACADEMIES REPORT, 2012 (SHALE-GAS, HYDRAULIC FRACTURING AND INJECTION FOR THE DISPOSAL OF WASTE WATER)

1:45 – 2:20

Al Hurt, Mission Services, Sullivan International Group, Inc., San Diego, CA

THE WESTERN SUSTAINABILITY AND POLLUTION PREVENTION NETWORK (WSPPN): NETWORKING AND COLLABORATION IN SUPPORT OF NEW ENERGY AND WATER INITIATIVES

2:20 – 2:55

Dr Tom Williams, Citizen's Coalition for a Safe Community, Baldwin Hills/Culver, CA

GRASSROOTS PARTICIPATION IN MONTEREY SHALE OIL AND WORLD'S LARGEST URBAN OIL FIELD

2:55 – 3:30

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

PUBLIC OPINION AND "TRUTH" ABOUT GROUNDWATER AQUIFERS AND ENERGY DEVELOPMENT

3:30pm **ADJOURN**

Registration and payment on-line at www.agwt.org

↓ Scroll down for registration form or register on-line ↓

CONTINUING EDUCATION CREDIT FOR ATTORNEYS

Brownstein Hyatt Farber Schreck LLP is the approved MCLE sponsor provider for this conference by The State Bar of California. Attorneys will receive 11.0 General MCLE credits for attending the AGWT Monterey Shale – Hydraulic Fracturing Conference (July 16-17 2013) Agoura Hills, California.



CERTIFICATE OF ATTENDANCE



The AGWT will issue a certificate of attendance (mailed post-event) to attendees who complete the sign-in and sign-out sheets. Separate sheets for each day. [No signature – no certificate!]

These certificates may be used for professions requiring proof of attendance for continuing education credit

The American Ground Water Trust, (AGWT) is a non-profit education organization. Our intent is to provide balanced factual information about the two earth-science topics of oil & gas development and water resources. The AGWT does not have "skin in the game," with regard to specific California issues or policy.

We recognize that the development of oil and gas is a vital ingredient of the nation's economy. We believe that adherence to energy industry best practices and careful environmental oversight are needed to ensure water resource protection. We also recognize that the public does not always receive objective information about the risks nor do they stay informed about the technology advances and operational protocols that are now "best practices" for oil & gas development.

The American Ground Water Trust (AGWT) is a non-profit education organization.
Any excess of revenue over expense for AGWT programs is plowed back into our teacher education initiative.
Our next California training program for teachers will be in Riverside in November.
For more information about AGWT, and for details of past programs, visit www.agwt.org

↓ Scroll down for registration form or register on-line ↓

REGISTRATION FORM – Monterey Shale – Water and Environmental Issues

July 16-17, Sheraton Hotel, Agoura Hills (Near Thousand Oaks, CA)

Tuesday July 16 and Wednesday July 17, 2013	Two Day July 16 and July 17	One Day July 16 or July 17
YOU MUST CHECK ONE: <i>Registration includes: handouts, breaks and lunch(s)</i>	<input type="checkbox"/>	<input type="checkbox"/> OR <input type="checkbox"/>
General Registration	<input type="checkbox"/> \$385	<input type="checkbox"/> \$250
Government Employee (City, County, State, Federal)	<input type="checkbox"/> \$345	<input type="checkbox"/> \$225
Full-Time Student (ID required at Registration)	<input type="checkbox"/> \$185	<input type="checkbox"/> \$125
Walk-in Registration on day of event (If space available)	\$450	\$300
CD (pdf of Presentations, Registrant Price, mailed post event.)	<input type="checkbox"/> \$ 35	
Non-Registrant CD price	<input type="checkbox"/> \$ 70	
Exhibit Table (You must also register to attend.)	<input type="checkbox"/> \$350	

TOTAL \$ _____ CHECK [payable: American Ground Water Trust]

AMEX VISA/MC PO # _____

Card # _____ Expiration Date _____

Cardholder Name _____

Registrant Name _____

Registrant E-mail _____

Registrant Phone _____

Professional Training / Job Title _____

Company _____

Address _____

City _____ State _____ Zip _____

CANCELLATION POLICY

- Cancellations received in the AGWT office by 5 pm (ET) 5 days prior to the start of the event will receive a full refund less a \$25 processing fee.
- Cancellation 4 to 2 days prior to the start of the event will receive a 50% registration refund.
- Cancellations one day before the start of the event or on the day of the event are considered "No Shows." Refunds will not be made for "No Shows" (Substitutions gladly accepted).
- The AGWT will not cancel a program because of bad weather conditions. Except that, in the event of an event cancellation resulting from, (but not limited to) circumstances such as a state mandatory evacuation or a fire at the program facility, the AGWT will reschedule the event and honor registrations as payment for the new event.



Register online: www.agwt.org



Mail to: American Ground Water Trust, 50 Pleasant St., Concord, NH 03301



Phone: (800) 423-7748 (between 9:00 & 4:30 eastern)

Email: trustinfo@agwt.org



Return by fax: (603) 228-6557

The American Ground Water Trust is a non-profit 501(c)(3) organization dedicated to providing accurate information about ground water issues to citizens, communities and decision makers. [Tax ID Number 23-7244958] Contributions are tax deductible to the extent permitted by law.