

**TEXAS GROUNDWATER PROTECTION COMMITTEE
 RECORD OF MEETING
 Third Quarterly Meeting, Fiscal Year 2006**

Meeting Date: April 20, 2006
 Meeting No.: 68

Place: TCEQ Campus, Bldg F
 Room: 2210

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MEETING ATTENDANCE

Committee Members

Mary Ambrose

Robert Mace

Leslie Savage

Ken Ofunrein

Ambrose Charles

Richard Egg

Barry Miller

C. Allan Jones

Andrew Tachovsky

Affiliation

Texas Commission on Environmental Quality (TCEQ)

Texas Water Development Board (TWDB)

Railroad Commission of Texas (RCT)

Department of State Health Services (DSHS)

Texas Department of Agriculture (TDA)

Texas State Soil and Water Conservation Board (TSSWCB)

Texas Alliance of Groundwater Districts (TAGD)

Texas Agricultural Experiment Station (TAES)

Bureau of Economic Geology (BEG)

Agency Staff

Abiy Berehe

Ren Berra

Leon Byrd

Al Cherepon

Matt Court

Frank Fuller

Peggy Hunka

Isaac Jackson

Kathy McCormack

Steve Musick

Greg Rogers

John Williams

Richard Eyster

Sarah Davidson

Janie Hopkins

Affiliation

Program

TCEQ

Water Supply Division

TCEQ

Regulatory Compliance

TCEQ

Water Supply Division

TCEQ

Water Supply Division

TCEQ

Water Supply Division

TCEQ

Water Programs

TCEQ

Water Supply Division

TCEQ

Intergovernmental Relations

TCEQ

Water Supply Division

TCEQ

Water Supply Division

TCEQ

Water Supply Division

TCEQ

Environmental Law Division

TDA

TWDB

TWDB

Interested Parties

Chris Ramser

Nancy Overesch

Jim O'Connor

Tyson Broad

Ed Baker

Ann Ardis

Lynne Fahlquist

Affiliation

Clearwater Underground Water Conservation District (Clearwater UWCD)

Lower Colorado River Authority (LCRA)

San Antonio Water System (SAWS)

Sierra Club

Syngenta

USGS

USGS

MEETING HANDOUTS

1. Agenda for Texas Groundwater Protection Committee meeting on April 20, 2006
2. Record for Texas Groundwater Protection Committee meeting on February 2, 2006
3. Agricultural Chemicals Subcommittee – Report for meeting on April 20, 2006
4. Texas Groundwater Protection Committee brochure (TCEQ publication GI-88), revised May 2006
5. TCEQ Environmental Trade Fair & Conference brochure
6. Background information on the TGPC booth at the TCEQ Environmental Trade Fair & Conference
7. Legislative Report Subcommittee – Members, Staff Support, Subcommittee Purpose, Required Results, Distribution, and Time Line
8. Groundwater Supplies and Availability in Texas: Results from Regional Water Planning
9. A Streetcar Named Desired Future Conditions: The New Groundwater Availability for Texas
10. New Publications Supporting the Texas Ground Water Protection Committee
11. Texas Groundwater Protection Committee, Title 31 – Natural Resources and Conservation, Chapter 601 – Groundwater Contamination Report, Quadrennial Review & Readoption
12. Texas Groundwater Protection Committee, Title 31 – Natural Resources and Conservation, Chapter 601 – Groundwater Contamination Report, Rules Revision Proposal (pages 10 – 15, highlighted changes, only)
13. Texas Groundwater Protection Committee, Title 31 – Natural Resources and Conservation, Chapter 601 – Groundwater Contamination Report, Rules Revision Proposal (pages 1 – 15)
14. TexasWaterInfo.Net – Texas Percentage of Total Conservation Storage Capacity, Late March, 2006
15. TexasWaterInfo.Net – Texas Palmer Drought Severity Index by Climatic Divisions as of April 1, 2006
16. Drought 2006 – Public Water Supply Systems Affected as of April 1, 2006
17. TexasWaterInfo.Net – Texas Regional Drought Indices
18. Handout with a map and well water level graph for Bexar Index Well J-17
19. Drought Preparedness Council Statewide Drought Situation Report
20. TCEQ Current Rulemaking – list of proposals (8) and adoptions (4)
21. Federal Register, Vol. 71, No. 41/Thursday, March 2, 2006, Notices, page 10671 – Environmental Protection Agency, Small Drinking Water Systems Variances – Revision of Existing National-Level Affordability Methodology and Methodology to Identify Variance Technologies That Are Protective of Public Health
22. Congressional Briefing, April 28, on Volatile Organic Compounds in the Nation’s Ground Water and Drinking-Water Supply Wells
23. 2006 Water-related Conferences in Texas
24. Announcement for National Water Quality Monitoring Council (NWQMC) Monitoring Networks: Connecting for Clean Water, May 7 – 11, 2006 (San Jose)
25. Pesticides in the Nation’s Streams and Ground Water, 1991-2001 – A Summary, USGS Fact Sheet 2006-3028, March 2006

26. The Quality of Our Nation's Waters, Pesticides in the Nation's Streams and Ground Water, 1991-2001, USGS Circular 1291

MEETING RECORD OF APRIL 20, 2006

1. CALL TO ORDER AND INTRODUCTIONS

Mary Ambrose, Designated Chair of the Texas Groundwater Protection Committee (TGPC), called the meeting to order at approximately 1:07 PM CDST.

2. SUBCOMMITTEE REPORTS

Agricultural Chemicals

Steve Musick (TCEQ) reported that the Agricultural Chemicals Subcommittee held its FY 2006 third quarter meeting on April 20, 2006 at 10:34 a.m., chaired by Steve Musick.

Task Force Reports

Site Selection – The current and planned TWDB groundwater sampling for this year includes the Carrizo-Wilcox, Gulf Coast, Queen City, Sparta, Woodbine, West Texas Bolsons, and Seymour aquifers. Additional parameters including dissolved oxygen will be sampled in the Seymour aquifer. The Texas Agricultural Experiment Station (TAES) laboratory will conduct analysis of samples for atrazine degradates and possibly metolachlor metabolites for the Panhandle sampling this year.

Educational – TCE staff conducted a water program in the Panhandle and one well closure with the Clearwater UWCD in Bell County. TCE worked with TDA staff to develop a program for pesticide applicator training which includes the wellhead protection work developed by TCE for the TGPC and Agricultural Chemicals Subcommittee.

The Subcommittee heard a presentation by Mr. Ed Gage (TDA) on the new Environmental Protection Agency (EPA) streamlined procedure for processing Section 18 emergency pesticide approval process. TDA was instrumental in working with EPA on this procedure.

Information Exchange

Members heard a summary of issues coming up for discussion at SFIREG/Water Quality and Pesticide Disposal Meetings. Issues include priority chemicals and degradates for monitoring, grant program activity measures, endangered species protection, and container recycling.

An overview of the recently released USGS summary of the National Water-Quality Assessment Program results on pesticides in the nation's waters showed that detections in Texas followed a similar pattern to the nationwide results, but the detections did not exceed the study's health-based benchmark standards.

Announcements

TCEQ staff shared an EPA notice of a Settlement agreement between EPA and the National Resources Defense Council related to EPA's Special Review of atrazine and the effects on endangered species.

Data Management

Lynne Fahlquist (USGS) reported that the Data Management Subcommittee did not meet this quarter. TCEQ staff has been preparing a scope of work for a contractor to facilitate the second phase of the Statewide Monitoring Strategy. Work continues toward updating information gathered during the initial phase of the Monitoring Strategy project.

The Subcommittee will likely meet in late May or early June, to discuss the presentations from the National Water Monitoring Conference in San Jose California, which takes place in early May, as well as discuss the second phase of the Monitoring Strategy project.

Public Education and Outreach

Kathy McCormack (TCEQ) reported that the Public Outreach and Education (POE) Subcommittee met on March 20, 2006.

Several items were reviewed:

- The status of the TCE's Drinking Water Fact Sheets and well screening events planned for the remainder of this fiscal year:
 - The Nitrate Fact Sheet is at the printer.
 - The Radionuclides Fact Sheet is in final editing.
 - An abandoned well plugging demonstration in Killeen took place on April 19, 2006 in cooperation with Clearwater UWCD. This demonstration was for a small-bore well in a suburban backyard and the demonstration had local television coverage.
- A draft of the POE Subcommittee's Accomplishments List for the *Texas Groundwater Protection Committee Report to the 80th Legislature – 2007*;
- A draft of the POE Subcommittee's Educational Outreach Plan;
- Preliminary information regarding the TGPC's booth at the TCEQ Environmental Trade Fair and Conference (May 9 – 11, 2006);
- The original 1994 and 1995 brochures and text files of TCEQ publications GI-88 and GI-141, "Texas Groundwater Protection Committee" and "Texas State Management Plan for the Prevention of Pesticide Contamination of Groundwater", respectively.

Comments, suggestions, or revisions from the POE Subcommittee on the draft Educational Outreach Plan were due to Kathy McCormack (TCEQ) by April 21, 2006, and the responses will be compiled for review during the next POE Subcommittee meeting.

The Committee's GI-88 brochure has been revised and will be available for handout during the TCEQ Trade Fair.

The next POE Subcommittee meeting is tentatively scheduled for May 24, 2006.

Groundwater Research

Andrew Tachovsky (BEG) reported that the Groundwater Research Subcommittee met earlier that day, April 20, 2006. Discussion items included:

- Potential sources of funding.
 - Options:
 - 319(h) funds from TCEQ or TSSWCB.
 - Private foundations.
 - National Oceanic & Atmospheric Administration (NOAA) funding was suggested for the coastal zone (for both water quality and water quantity research projects).
 - Federal funding for looking at salinity state-wide (in the High Plains, the Highland Lakes, and the Texas Gulf Coast).
- A white paper produced by Ric Jensen (Texas Water Resources Institute) on the Seymour aquifer. The Groundwater Research Subcommittee agreed to leave the paper open for an additional two weeks in order to incorporate additional comments. The paper would then be sent out to everyone that was referenced in the paper a source of information.

This discussion was followed by a presentation on TCEQ's 319(h) funding. The FY07 allocation will be putting out the Request For Grant Application with \$7.8M split between an incremental fund and the base fund. The base fund will be available for groundwater research.

Nonpoint Source Task Force

Richard Egg (TSSWCB) reported that the Nonpoint Source TF only meets in response to specific issues and it has not met in the last quarter.

The *Texas Nonpoint Source Management Program*, which is updated every five years, has been given final approval by EPA. This is the guidance document for spending the EPA's Clean Water Act 319(h) funds. The *Texas Nonpoint Source Management Program* (TCEQ publication SFR-068/04) has been posted on the TSSWCB website (<http://www.tsswcb.state.tx.us/reports/2005mgmtprogram.pdf>) and the TCEQ website (http://www.tceq.state.tx.us/assets/public/compliance/monops/nps/mgmt-plan/a_MgmtPlan-051506-x.pdf). The *2005 Annual Report Managing Nonpoint Source Pollution in Texas* (TCEQ publication SFR-066/05) has also been posted on the TSSWCB website (<http://www.tsswcb.state.tx.us/reports/2006/2005ar.pdf>).

TCEQ will be soliciting 319(h) Requests For Grant Applications in the near future, and TSSWCB is reviewing their proposals.

The Coastal Coordination Council (<http://www.glo.state.tx.us/coastal/ccc.html>) recently announced its FY07 Coastal Management Program grants. One topic is water quality in the coastal zone, and this is a potential source of NPS funding. Final applications are due October 11, 2006.

Legislative Report

Frank Fuller (TCEQ) presented the Legislative Report Subcommittee charge and list of members, and invited anyone that was interested in serving on the Legislative Report Subcommittee to contact him.

The Legislative Report Subcommittee's goal is to publish and distribute the final *Activities of the Texas Groundwater Protection Committee – Report to the 80th Legislature* (“*Legislative Report*”) by December 31, 2006. A timeline for the Legislative Report Subcommittee was requested at the last TGPC meeting. Mary Ambrose (TCEQ) pointed out that the draft *Legislative Report* and recommendations will be provided at the TGPC meeting in July, and the final *Legislative Report* will be voted on at the TGPC meeting in September, thus giving TGPC members enough time to review the document within their agency.

3. PRESENTATION

Groundwater Availability in Texas: The Past (2002 State Water Plan and before), the Present (2006 Regional Water Plans), and the Future (Joint Planning in Groundwater Management Areas)

Robert Mace (TWDB) gave a presentation on the past, present, and future of groundwater availability. In the past, the TWDB developed availability numbers for state water planning. With the advent of regional water planning and the creation of a number of groundwater conservation districts, planning groups and districts took control of these numbers. The 2007 State Water Plan will have differences in groundwater availability numbers from the 2002 State Water Plan, primarily due to the availability of Groundwater Availability Models (GAMs) and a change from planned depletion to sustainable production in a couple of regions. In the future, joint planning in groundwater management areas will have the say in the groundwater availability discussion. Districts in groundwater management areas are charged with defining the “desired future conditions” of the groundwater resources in the management area. The resulting “managed available groundwater” will be the new groundwater availability, defined by districts, for regional water plans and groundwater management plans as well as groundwater permitting.

4. BUSINESS DISCUSSION AND POSSIBLE ACTION

Texas Groundwater Protection Strategy – Discuss Strategy Implementation Issues

Mary Ambrose (TCEQ) pointed out the recent publications from the POE Subcommittee (see section 6. ANNOUNCEMENTS, New Publications, for details) and how they are supporting the implementation of the *Texas Groundwater Protection Strategy* (“*Strategy*”). Robert Mace’s (TWDB) presentation is another manifestation of the *Strategy* in that TGPC members are gaining a better understanding of the regional water planning initiative.

Steve Musick (TCEQ) shared information on the management and accessibility of a historic database of water well (drillers) report files and an upcoming pilot project to test an imaging technique with a minimal search function. TCEQ will consult with other agencies about this project as soon as certain cost issues are resolved.

Frank Fuller (TCEQ) requested that the TGPC Subcommittees begin documenting their recommendations for the *Legislative Report* and forward them to himself for review in future Legislative Report Subcommittee meetings.

Rules Review and Revisions to 31 TAC Chapter 601, Groundwater Contamination Report – Discuss and Approve Proposal for Publication

John Williams (TCEQ) presented a summary of the Quadrennial Review and Readoption and Rules Revision of 31 TAC Chapter 601, Groundwater Contamination Report.

Barry Miller (TAGD) proposed, Richard Egg (TSSWCB) seconded, and all remaining Committee members agreed to publish a proposal in the Texas Register to readopt Chapter 601, Groundwater Contamination Report with authorization for staff to make any non-substantial or grammatical changes in order to comply with Texas Register requirements.

Mary Ambrose (TCEQ) proposed, Robert Mace (TWDB) seconded, and all remaining Committee members agreed to publish a proposal in the Texas Register to amend Chapter 601.1 – 601.5, General Provisions Relating to Public Files and Joint Report with authorization for staff to make any non-substantial or grammatical changes in order to comply with Texas Register requirements, and with a change suggested by Robert Mace (TWDB) to delete “new” from “new name of Department of State Health Services” on page 3 of the preamble.

Joint Groundwater Monitoring and Contamination Report – 2005 – Status

Abiy Berehe (TCEQ) reported that the *Joint Groundwater Monitoring and Contamination Report – 2005* is almost complete and should be published by the end of July, 2006. The *Report* will be available on the TCEQ website and hard copies will be mailed to county health officials and judges, Groundwater Conservation Districts, public libraries, and member agencies. Several TGPC members (TWBD, RRC, TCE, DSHS) requested additional hard copies. Barry Miller (TAGD) also requested that the *Report* be made available on CD.

Open Meetings and Open Records Training – Reminder for Action

Mary Ambrose (TCEQ) reminded all TGPC members and their alternates to complete the required Open Meetings Training by January 1, 2007, and offered to set aside the end of the next meeting to view the DVD, if needed.

Free training regarding Open Meetings and Open Records is available at the Texas Attorney General's website (<http://www.oag.state.tx.us/>). A free copy of the training videos on DVD can also be obtained by calling 1-800-252-8011. TGPC members and Subcommittee members are required to take the Open Meetings training, only.

At the end of the Open Meetings video there is a verification code and instructions for obtaining a certificate of completion. Copies of the Certificate of Course Completion will be kept on file by the Committee and should be sent to Cary Betz, TCEQ, Mail Code 147, P.O. Box 13087, Austin, TX 78711-3087 or e-mailed to Mary Ambrose, mambrose@tceq.state.tx.us.

Designated Committee and Subcommittee representatives, and their alternates, serving as of January 1, 2006, have a full year, until January 1, 2007, to complete the required training. Representatives assigned after January 1, 2006, have 90 days from their first meeting to complete the required training.

Set Future Meeting Dates

The next TGPC meeting is tentatively scheduled for July 26, 2006 at 1:00 PM CDT. The next Legislative Report Subcommittee meeting is tentatively scheduled for May 18, 2006 at 1:30 PM CDT.

5. INFORMATION EXCHANGE FOR GROUNDWATER-RELATED ACTIVITIES – STATUS UPDATE

Water Quality Inventory (305(b)) Report – 2004 and 2006

Steve Musick (TCEQ) reported that the *2004 Texas Water Quality Inventory and 303(d) List* has been completed and should be posted on the TCEQ website by the end of April, 2006

(<http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/04twqi/twqi04.html>).

The 2006 version of this report will be a formal TCEQ publication and a draft should be available in time for the next TGPC meeting. More pesticide data and improved drinking water sampling data will be included in this report.

Groundwater Contamination Notice Coordination (HB 3030, 78th Legislature)

Steve Musick (TCEQ) reported that, under HB 3030, TCEQ has an inter-agency coordination responsibility related to groundwater contamination notices. TCEQ staff have met with the RRC, TWDB, TDA, and TDLR and presented information on TCEQ responsibilities and internal protocols. The monitoring programs of these agencies were reviewed, and some clarification of post-monitoring procedures which might affect a case referral to TCEQ is required. Similar discussions are planned with TSSWCB, TCE, and TAES.

Regional Water Planning – Texas Water Development Board

Robert Mace (TWDB) reported that, in the last two months, 10 Regional Water Plans have been approved by their Board.

Groundwater Availability Modeling – Texas Water Development Board

Robert Mace (TWDB) reported that their Board had sent out Requests for Qualifications to develop structure surfaces for three aquifers (Brazos River alluvium, Llano Uplift, and Yegua-Jackson). They are also looking at a project to increase groundwater production west of the Fort Worth area.

Drought Status – All Agencies

Mary Ambrose (TCEQ) handed out a map of Texas entitled, “Drought 2006 – Public Water Supply Systems Affected as of April 1, 2006.” There are 65 Public Water Supply Systems that are under voluntary water use restrictions and 45 under mandatory water use restrictions. Mary Ambrose also provided maps of Texas entitled, “Palmer Drought Severity Index (PDSI) by Climatic Divisions as of April 1, 2006” and “Texas Percentage of Total Conservation Storage Capacity, Late March, 2006” (available at <http://www.texaswaterinfo.net/monitoring/meteorological/drought/>).

Robert Mace (TWDB) handed out a map of Texas entitled, “Palmer Drought Severity Index as of April 15, 2006”. Comparison of the two PDSI maps indicated that the drought was getting worse in April. Robert Mace also handed out a map and well water level graph for Bexar Index Well J-17 (a monitor well that determines various stages of drought in the San Antonio segment of the Edwards Aquifer).

Richard Egg (TSSWCB) handed out the Drought Preparedness Council Statewide Drought Situation Report which indicated that March 2005 – February 2006 was the fourth-driest March – February period on record for the state as whole, and the driest since 1963 – 1964. The Climate Prediction Center predicts below normal precipitation and above normal temperatures in the northern and western portions of the state March – June 2006, and the National Oceanic and Atmospheric Administration Seasonal U.S. Drought Outlook indicates drought conditions to intensify or persist in the western two-thirds of the state, with conditions improving in the eastern one-third of Texas.

6. ANNOUNCEMENTS

Rules Update

A summary of the TCEQ rule tracking log was distributed to members. There were 12 rules summarized in the tracking log that were of interest to the Committee. HB 2510 concerns On-site Sewage Facility (OSSF) Aerobic Unit Maintenance. Additional information on a specific rule can be found at <http://www.tceq.state.tx.us/rules/proph.html>.

Mary Ambrose (TCEQ) provided a copy of page 10671 of the March 2, 2006 Federal Register related to the Environmental Protection Agency’s (EPA’s) notice of publication of rules providing variances to small drinking water systems for certain water quality standards based on economic ability to treat to those standards. This could affect the arsenic (and possibly the radionuclides) standard for public drinking water systems with less than 10,000 customers (allowing 3X the arsenic standard), but this is not an option in the state as per the Texas Statutes Health and Safety Code. The comment period ends on May 1, 2006.

Mary Ambrose (TCEQ) provided information on a Congressional Briefing by USGS on Volatile Organic Compounds (VOCs) in groundwater and drinking water supply wells on April 28, 2006. Additional USGS information on VOCs can be found at http://water.usgs.gov/nawqa/vocs/national_assessment/.

New Publications

Texas Groundwater Protection Committee brochure

- http://www.tceq.state.tx.us/comm_exec/forms_pubs/pubs/gi/gi-088.html, revised May 2006

Drinking Water Problems Fact Sheets

- Arsenic (<http://tcebookstore.org/pubinfo.cfm?pubid=2186>), published December 2005
- Perchlorate (<http://tcebookstore.org/pubinfo.cfm?pubid=2188>), published November 2005

On-site Wastewater Treatment Systems Fact Sheets

- Selecting and Permitting (<http://tcebookstore.org/pubinfo.cfm?pubid=1017>), revised April 2005
- Homeowner's Guide to Evaluating Service Contracts (<http://tcebookstore.org/pubinfo.cfm?pubid=2107>), published July 2005
- Soil Particle Analysis Procedure (<http://tcebookstore.org/pubinfo.cfm?pubid=2082>), published August 2005
- Graywater (<http://tcebookstore.org/pubinfo.cfm?pubid=2180>), published October 2005

Water Well Plugging Guidance Document

- Landowner's Guide to Plugging Abandoned Water Wells (http://www.tceq.state.tx.us/comm_exec/forms_pubs/pubs/rg/rg-347.html), revised March 2006

The EPA has a new, free publication (832-B-05-001, December 2005) entitled, "Handbook for Managing Onsite and Clustered (Decentralized) Wastewater Treatment Systems", 800-490-9198.

Scanlon, B. R., Tachovsky, J. A., Reedy, R., Nicot, J. P., Keese, K., Slade, R.M., Merwade, V., Howard, T., Wells, G. L., Mullins, G. J., and Ortiz, D. M., 2005, Groundwater-Surface Water Interactions in Texas, http://www.beg.utexas.edu/staffinfo/pdf/scanlon_gswsr2005.pdf

Scanlon, B. R., Nicot, J. P., Reedy, R., Tachovsky, J. A., Nance, S. H., Smyth, R. C., Keese, K., Ashburn, R. E., Christian, L., 2005, Evaluation of Arsenic Contamination in Texas, http://www.beg.utexas.edu/staffinfo/pdf/Scanlon_As_r2005.pdf

Upcoming Conferences

In Texas

- TAWWA/WEAT Texas Water 2006, Apr 4 – 7, Austin, <http://www.texas-water.com/pages/131574/index.htm>
- NGWA 2006 Ground Water Summit, Apr 23 – 26, San Antonio, <https://info.ngwa.org/servicecenter/Meetings/MeetingDetail.cfm?meetingid=633&feecatuid=2009&datecatuid=1031>
- Texas Association of RC&D Areas 2006 Annual Convention, Apr 30 – May 3, Wichita Falls, http://www.texasrcd.org/RCD_2006convention_details.htm
- TNRIIS Texas GIS Forum, May 1 – 5, Austin, <http://www.tnris.state.tx.us/Forum2006/index.html>
- AWWA GIS and Water Resources IV, May 8 – 10, Houston, <http://www.awra.org/meetings/Houston2006/index.html>
- TCEQ Environmental Trade Fair and Conference, May 9 – 11, Austin, <http://www.tceq.state.tx.us/assistance/events/etfc/etf.html>
- Environmental Defense Annual Water Conference: Water and Global Warming, May 12, Austin, http://www.texaswatermatters.org/conference_may12.htm
- AWWA 2006 Annual Conference & Exhibition, Jun 11 – 15, San Antonio, <http://www.awwa.org/ace06/>
- National Environmental Health Association Conference & Exhibition, Jun 25 – 28, San Antonio, <http://www.neha.org/AEC/2006/index.html>
- Sanitation World 2006, Aug 16 – 19, Grapevine, <http://www.sanitationworld.com/>
- National Association of Flood & Stormwater Management Agencies (NAFSMA) 2006 Annual Meeting & Workshop, Sep 6 – 8, San Antonio, http://www.nafsma.org/Meetings/meetings_upcoming.htm
- 13th International Petroleum Environmental Conference: Issues and Solutions in Exploration, Production, and Refining, Oct 17 – 20, San Antonio, <http://ipecc.utulsa.edu/conferences.htm>
- WEFTEC 2006, Oct 21 – 25, Dallas, <http://www.weftec.org/>
- TSSWCB Annual Meeting, Oct 23 – 25, Ft. Worth, details forthcoming at <http://www.tsswcb.state.tx.us>
- Irrigation Association Annual International Irrigation Show, Nov 5 – 7, San Antonio, link error - details forthcoming
- NGWA Petroleum Hydrocarbons and Organic Chemicals in Ground Water: Prevention, Detection, and Remediation Conference, Nov 6 – 7, Houston, <http://www.ngwa.org/e/conf/0611065040.cfm>

Beyond Texas

- 2006 National Nonpoint Source Coordinators' Meeting, June 19 – 20, 2006, Park City, Utah, <http://ag.utah.gov/conservation/npsconf.html>
- National Water Quality Monitoring Council (NWQMC) 5th National Monitoring Conference, May 7 – 11, 2006, San Jose, <http://www.tetratex.com/nwqmc06/index.cfm>

7. PUBLIC COMMENT

Lynne Fahlquist (USGS) distributed copies of USGS Fact Sheet 2006-3028 and USGS Circular 1291, Pesticides in the Nation's Streams and Ground Water, 1991-2001. She also provided the following information on other recent USGS publications:

- L. Niel Plummer, John Karl Bohlke, and Michael W. Doughten, 2006, Perchlorate in Pleistocene and Holocene Groundwater in North-Central New Mexico, *Environmental Science and Technology*, v. 40, pp. 1757 – 1763.
- Srinath Rajagopalan, Todd A. Anderson, Lynne Fahlquist, Ken A. Rainwater, Moira Ridley, and W. Andrew Jackson, 2006, Widespread Presence of Naturally Occurring Perchlorate in High Plains of Texas and New Mexico, *Environmental Science and Technology*, v. 40, pp. 3156 – 3162.
- P.B. McMahon, K.F. Dennehy, B.W. Bruce, J.K. Bohlke, R.L. Michel, J.J. Gurdak, and D.B. Hurlbut, 2006, Storage and Transit Time of Chemicals in Thick Unsaturated Zones Under Rangeland and Irrigated Cropland, High Plains, United States, *Water Resources Research*, v. 42, W03413, doi:10.1029/2005WR004417.
- Zogorski, J.S., Carter, J.M, Ivahnenko, Tamara, Lapham, W.W., Moran, M.J., Rowe, B.L., Squillace, P.J., and Toccalino, P.L., 2006, The Quality of Our Nations Waters – Volatile Organic Compounds in the Nation's Ground Water and Drinking-Water Supply Wells: U.S. Geological Survey Circular 1292, 101 p., <http://pubs.usgs.gov/circ/circ1292/>.
- Zogorski, J.S., 2006, Volatile Organic Compounds in the Nation's Ground Water and Drinking-Water Supply Wells – A Summary: U.S. Geological Survey Fact Sheet 2006-3048, 6 p., <http://pubs.usgs.gov/fs/2006/3048/pdf/fs2006-3048.pdf>.
- Zogorski, J.S. and Toccalino, P.L., 2006, Volatile Organic Compounds in the Nation's Drinking-Water Supply Wells – What Findings May Mean to Human Health: U.S. Geological Survey Fact Sheet 2006-3043, 4 p., <http://pubs.usgs.gov/fs/2006/3043/pdf/fs2006-3043.pdf>.

8. ADJOURN

Mary Ambrose (TCEQ) adjourned the meeting at 3:08 PM.