

Providing Information to the Water Well, Underground Injection Control (UIC) & Underground Hydrocarbon Storage (UHS) Industries in Kansas and other Partners Interested in these Operations, the Environment, Water Resources and Energy

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## **KDHE to Host Geology & Well Technology Seminar/ Tech Fair on October 8-9 in Wichita**

by Deb Biester

On October 8-9, the Kansas Department of Health and Environment (KDHE) will host the Geology & Well Technology Fall 2019 Seminar/Tech Fair in Wichita.

During the seminar, presenters will speak on various topics including solar farms, fishing tools, equus beds recharge project, well workovers, temporary water permits, water well maintenance, divining for water, emplacement, reuse of blow down water, and water issues at the Quivira National Wildlife Refuge, to name a few.

There will be approximately 30 vendors at the tech fair. If attendees attend both days, they will receive eight hours of continuing education credit and receive a certificate of attendance.

There will be door prizes for the attendees, awards and a luncheon on October 9.

The Geology & Well Technology Unit within KDHE's Bureau of Water administers the Underground Injection Control (UIC), the Underground Hydrocarbon Salt Cavern Storage, (UHS) and the Water Well Licensing, Water Well Construction and Abandonment Programs.

These programs protect public health and safety, and the environment. The UIC Program regulates injection well activities, which include the disposal of industrial wastes into deep geologic formations, the solution mining of salt formations, and the shallow injection of non-hazardous fluids below the land surface.

The Underground Hydrocarbon Salt Cavern Storage Program regulates the storage of hydrocarbons, including liquefied petroleum gas (LPG) and natural gas, in salt caverns formed by solutioning in the Hutchinson Salt.

The program also regulates brine ponds associated with the underground storage facilities.

The Water Well Program regulates water well contractor licensing, water well construction, and water well abandonment. The Geology & Well Technology Unit also provides hydrogeological and technical support for other professionals in the Bureau of Water.

**Details on the Seminar/Tech Fair can be found at <http://kdheks.gov/geo>**

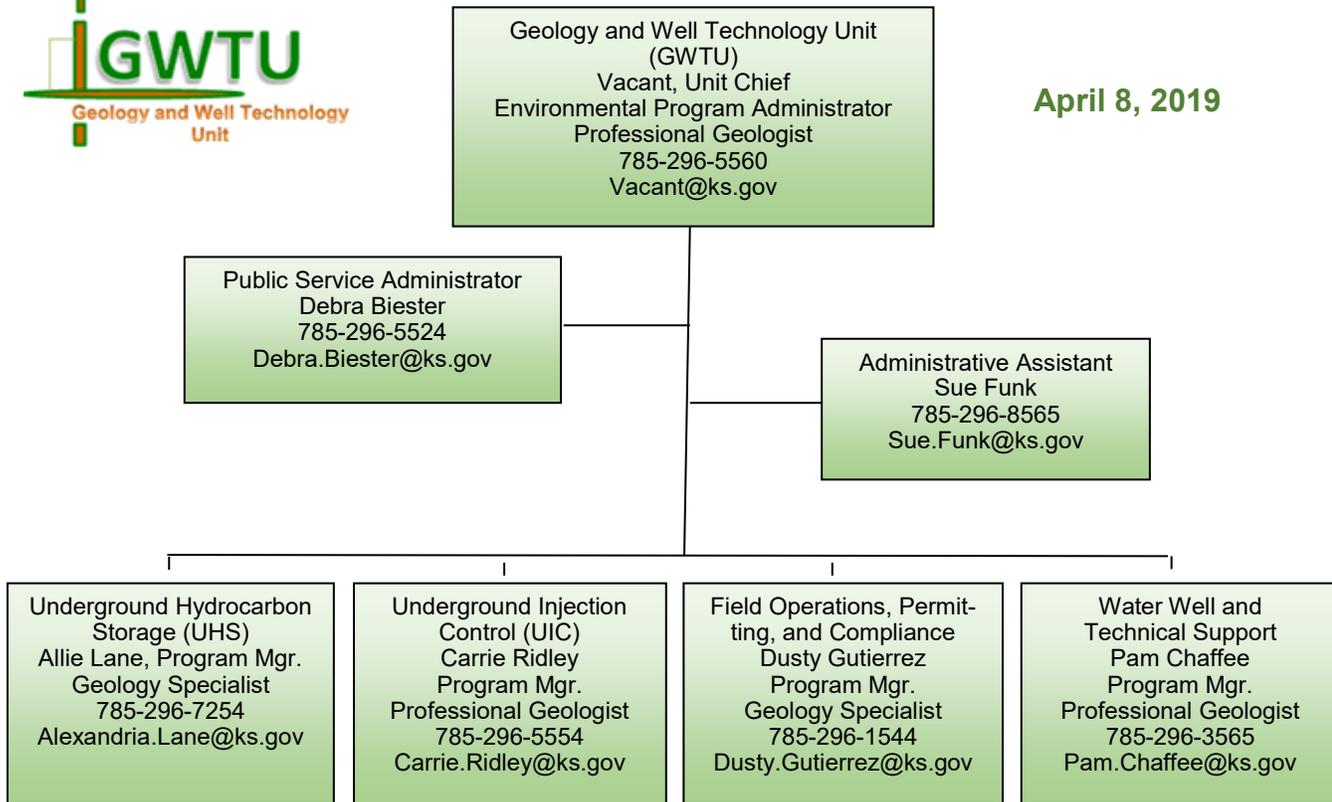


## Geology & Well Technology Staff 2019

by Deb Biester



April 8, 2019



In early 2019, KDHE's Bureau of Water was reorganized. While two sections were moved to the Bureau of Environmental Field Services, and smaller sections were combined to form the Water Permitting & Compliance Section, it was decided that the Geology & Well Technology Section would remain on its own but change from a section to a unit. Therefore, our new name is Geology & Well Technology Unit. 

### Meet Our New Field Operations, Permitting and Compliance Program Manager

Hi, my name is Dusty Gutierrez and I recently joined the Bureau of Water as the new Field Operations, Permitting and Compliance Program Manager in the Geology & Well Technology Unit. I have spent the last three years working for KDHE in the Bureau of Waste Management in the Hydrogeologic Unit. I received a B.S. in Earth Science from Emporia State University and I am currently working towards my professional geologist license. I am excited to start in this new position and looking forward to the new training and experience I will gain as a prospective geologist. I am originally from Colorado and now live in Emporia. I enjoy being outdoors and can't wait to go camping this summer!



## KDHE PARTICIPATES IN THE MARCH 2019 JOINT SECTION GEOLOGICAL SOCIETY OF AMERICA MEETING

by Allie Lane

*Pictured (sitting from left to right) are  
KDHE staff  
Allie Lane, UHS Program Manager and  
Carrie Ridley, PG, UIC Program Manager*

KDHE's Geology & Well Technology Unit (GWTU) participated in the 2019 Joint Section Geological Society of America (GSA) Meeting in Manhattan. This year's meeting combined three sections of GSA: South-Central, North-Central and the Rocky Mountain Sections. Our exhibit table consisted of core samples of the Arbuckle Formation and Hutchinson Salt, a packer, drill bit, well cap and posters with descriptions of our programs. We spoke with many geology students and professionals about what the GWTU does for the state of Kansas, including our day-to-day activities, types of facilities we work with and regulations in Kansas. We were asked to judge student posters and serve as professional mentors for geology students across the country. We attended talks about groundwater quality in Kansas and injection induced seismicity in the U.S. Midcontinent.



## UIC NEWS

by CARRIE RIDLEY, P.G.



### *UIC Class I and V KOLAR KICKOFF*

After several months of dual reporting, Class I (and some deep Class V) operators have made the leap into electronic reporting with KOLAR in February. Our operators have embraced the flexibility and data review capabilities that KOLAR provides. As more data is entered, KDHE and the Kansas Geological Survey (KGS) hope to provide more features for the operators to retrieve, track and review data in meaningful ways which will hopefully add an extra tool for better management of the disposal well assets.

The KOLAR project would not have been possible in this timeframe without the dedicated work by Sue Funk, Administrative Assistant for GWTU, Kurt Look and his staff at KGS and the diligent testers who worked through many kinks and issues. Thank you all for the smooth roll-out.

We have received positive feedback on the new system. One operator stated, "I really like the new system" and another said, "Thank you!! This is a big help! I was making it (the data entry) harder than it had to be." There are still a few things we are working on to improve the system, including automated emails for returned reports and reminders. We look forward to continuing to make KOLAR a helpful tool for all users.



### *2019 UIC Conference-February 24-27, 2019*

In late February, Carrie Ridley had the opportunity to attend the 18<sup>th</sup> UIC Conference in Fort Worth, Tex. Many federal and state regulators were in attendance as well as members of the academic community and industry consultants. Topics focused on induced seismicity in the mid-continent, aquifer storage and recovery projects, and various topics for all well classes. EPA held a regulatory forum which covered Comprehensive Program Evaluations (CPE), UIC training modules and program revisions. The most recent EPA CPE of the Geology & Well Technology Unit's UIC program was completed in 2017, with flying colors.

#### **Reminder: UIC Operators**

If you haven't already submitted Mechanical Integrity Test (MIT) plans for 2019, please let us know so we can get them on our calendar to ensure we have staff on site to witness Part I of the MIT. New forms and procedure documents have been published and are available on our website, <http://www.kdheks.gov/uic/index.html>. Please be sure to use the new forms when submitting MIT, Fall-Off or Static Fluid Level test plans moving forward.

Mike Cochran  
Retired from the  
State of Kansas on  
March 11, 2019 after  
42 years of service.



**Congratulations**

Bureau of Water  
Geology & Well Technology

# Happy Retirement! Mike!



A small retirement party was held for Mike Cochran at KDHE on Thursday, March 7 to celebrate 42 years of service! He wanted to leave quietly but we couldn't let that happen.

His friends from the Kansas Geological Survey even showed up to surprise him.

One week later... Mike reported he could really get used to being retired. He has a list of projects he wants to get done....as well as the projects his family, church friends, etc., have lined up for him. Sounds like he will be a busy man!!!

*Mike will be missed, but we are all rooting for him to have a wonderful retirement!!!*





## TIMELINE FOR THE KANSAS WATER WELL CONTRACTORS RENEWAL PERIOD 2019-2020

by Deb Biester

Kansas water well contractors renewing their water well licenses for the licensure period July 1, 2019 through June 30, 2020, will be seeing new application forms this year. The Water Well Program staff met with KDHE's Office of Legal Services and, after reviewing the application forms and water well regulations and statutes, determined that some revisions were needed. On the *Renewal Application for Kansas Water Well Contractors License* (Form WWC-1R), a choice of either **Individual** or **Business Organization** will only be available for the renewing contractor. The latter includes corporations, partnerships and LLCs, all of which require registration with the Kansas Secretary of State's (SOS) Office. A contractor renewing as a 'Business Organization' must furnish KDHE with proof of "good standing" from the Kansas SOS Office. Out-of-state contractors who file as a corporation, partnership or L.L.C. in their originating state must also file the same with the Kansas SOS Office and furnish proof of "good standing" with their renewal application.

Please see Page 7 of this newsletter for a newly revised Procedure **WWP-12, PROCEDURE FOR RENEWING A KANSAS WATER WELL CONTRACTOR LICENSE.**

### Important dates for the 2019-2020 renewal period are:

- May 15, 2019** Renewal letters and contractor and drilling rig license renewal applications will be mailed out to currently licensed water well contractors;
- June 11-22, 2019** Kansas Ground Water Association (KGWA) will provide to KDHE documentation of continuing education units (CEUs) completed by each water well contractor;
- June 30, 2019** Kansas water well contractor and drilling rig licenses expire. All contractors need to have their applications and fees into KDHE by July 1, 2019. If these requirements are not met, the license can be revoked under K.S.A. 82a-1209. Valid, emergency type situations will be considered.
- July 1-31, 2019** KDHE will process renewals as quickly as possible.  
  
If you have completed and paid for your CEUs with the Kansas Ground Water Association, and submitted your applications and fees to KDHE, you will be allowed to continue working as usual while your licenses are being processed. Upon receiving your fees, KDHE is required to deposit them within a few days. We will not be able to hold on to your fees (in the event we are waiting on paperwork or CEUs etc.) and the fees are not reimbursable.
- August 1, 2019** KDHE will begin preparation of Revocation Letters.



Reply to: (785) 296-5524  
 Bureau of Water  
 Geology & Well Technology Unit  
 1000 S. W. Jackson St., Ste. 420  
 Topeka, KS 66612-1367

## PROCEDURE FOR RENEWING A KANSAS WATER WELL CONTRACTOR'S LICENSE

**Procedure #: WWP-12**  
 (3/2019)

### Narrative:

The purpose of this document is to outline the process of renewing a water well contractor's license issued by the Kansas Department of Health and Environment (KDHE) and administered by the Water Well Program in KDHE's Bureau of Water, Geology & Well Technology Unit. Pursuant to Kansas statutes (K.S.A. 82a-1201, et seq.), a licensed water well contractor may renew their license annually if they wish to continue in the business of water well construction, reconstruction, or treatment of water wells. The term of all licenses shall be July 1 of each year through the following June 30. Pursuant to Kansas regulations (K.A.R. 28-30-3), license renewal will require submission of application(s) and fee payment(s) for the contractor license and rig registration (if applicable), filing of water well records, reporting and meeting the requirements for continuing education, and providing any outstanding information or records requested. These statutes and regulations are available on the Water Well Program website at: <http://kdheks.gov/waterwell/index.html> under the heading **Regulations**.

### Procedure:

1. KDHE will send the water well contractor a renewal letter, *Renewal Application for Kansas Water Well Contractor's License* (Form WWC-1R), and *Application for Kansas Water Well Contractors Drilling Rig Licenses* (Form WWC-3), via the U.S. Mail approximately May 15 of each year.
2. Each water well contractor or the contractor's designated person shall earn at least eight units of approved continuing education (or CEUs) during the current licensure period. The continuing education program is administered by the Kansas Ground Water Association (KGWA) under a memorandum of understanding with KDHE. Information on the continuing education program can be found at the KGWA website under **Information**. CEUs must be reported and fees paid to the KGWA prior to July 1 at the following address:

Kansas Ground Water Association  
 Continuing Education Committee  
 Attn: Dale Hayse  
 P.O. Box 107  
 Mullinville, KS 67109-0107

Phone: 620.548.2669  
 Fax: 620-548-2369  
 E-mail: [Ksgroundwater@gmail.com](mailto:Ksgroundwater@gmail.com), or  
 Website: <http://kgwa.org/>

3. Prior to July 1, complete and return the forms listed above in Step 1, along with payment of applicable fees (\$100 for contractor's license and \$25.00 for each drill rig to be operated in Kansas). Complete the application form(s), list the number and types of wells constructed, reconstructed, and plugged during the previous licensure period, list drillers and individuals performing labor or services under the applicant's license, and sign the contractor's license application (Form WWC-1R) and personal check. **Incomplete and unsigned forms or checks will delay processing of the license(s)**. Mail application(s) and fee payment(s) to:

Kansas Department of Health & Environment  
 Bureau of Water, Attention: Deb Biester  
 1000 SW Jackson Street, Suite 420  
 Topeka, KS 66612-1367

Phone: 785-296-5524  
 Fax: 785-559-4258  
 E-mail: [Debra.Biester@ks.gov](mailto:Debra.Biester@ks.gov)  
 Website: <http://kdheks.gov/geo>

4. Pursuant to K.S.A. 82a-1206(d), if applicant's business is incorporated, it must be registered with the Kansas Secretary of State's Office and evidence of "Good Standing" must be provided to KDHE before a license can be issued. Information is available at: [http://www.kssos.org/Pubs/pubs\\_kansas\\_register.asp](http://www.kssos.org/Pubs/pubs_kansas_register.asp).

Once the above items have been received and approved, KDHE will issue the contractor and drill rig licenses. Each drill rig operated by or for a contractor shall display the drill rig license number in letters/numbers at least two-inches tall (K.A.R. 28-30-4(f)). If these requirements are not met by July 1, the license will be revoked (K.S.A. 82a-1209).

## Water Well Program Upcoming Opportunities for CEUs

by Pam Chaffee, PG

There are several upcoming training opportunities for Kansas Water Well Contractors! Water well contractors are licensed by the state and, to maintain a license, the contractor must complete eight hours of continuing education. CEUs are processed through the Kansas Ground Water Association (KGWA). Information is available on the KGWA website at <https://kgwa.org/>. For questions on CEUs, contact Dale Hayse, KGWA Executive Director, at 620-548-2669 or [ksgroundwater@gmail.com](mailto:ksgroundwater@gmail.com).

CEU opportunities include:

- A training event by the Plumbing-Heating-Cooling Contractors Association (PHCC), and the International Association of Plumbing and Mechanical Officials (IAPMO), will be held at the UA Local 441 Training Center, 1330 E. 1<sup>st</sup> St. in Wichita, on Tuesday, April 23 from 5:30 – 8:30 p.m. Monte Munyon, Domestic Well Specialist, Sedgwick County/Municipal Area Building & Construction Department, will present on the “Do’s & Don’ts with Water Wells,” and Billie Vines, City of Wichita, Backflow Prevention Manager, will present on backflow prevention.
- A Kansas Water Well Contractor’s licensure exam review (morning) followed by the exam (afternoon), will be conducted Thursday, April 25, at the Holiday Inn Express, Dodge City. Some CEUs are awarded if a person sits through the exam review. Contact Pam Chaffee at 785-296-3565 or [Pam.Chaffee@ks.gov](mailto:Pam.Chaffee@ks.gov) to obtain the exam study guide and register for the review/exam.
- The 2019 Annual KGWA Spring Seminar and Well Drilling Demonstration will be held on Friday, April 26 in Cimarron, located in Gray County. Well drilling and electronic logging with evaluation will be demonstrated. There will be general discussions of well drilling and development, a pump installation will be conducted and a KDHE update will also be presented. The registration form is at: <https://kgwa.org/events/>.
- 2<sup>nd</sup> Private Well Conference – 2019 National Stakeholder Meeting will be held May 21-23, at the Crowne Plaza Harrisburg-Hershey, 23 S. 2<sup>nd</sup> St, Harrisburg, PA. Registration is free while spots are available. The conference is for professionals who serve private well owners. For more information, please visit: <http://privatewellclass.org/conference>.
- National Groundwater Association (NGWA) regularly provides updates on upcoming groundwater events and education opportunities. Visit the following link on their website: <http://www.ngwa.org/Events-Education/Pages/calendar.aspx>.
- **NGWA’s WellOwner.org** website lists lessons and webinars at: <http://wellowner.org/well-owner-lessons/>.

(continued on Page 9)

## Water Well Program Upcoming Opportunities for CEUs

(continued)

NGWA's WellOwner.org website lists lessons and webinars at:  
<http://wellowner.org/well-owner-lessons/>.

The Private Well Class - Upcoming and recently recorded webinars are available at:  
<http://privatewellclass.org/calendar>.

Links to information on surrounding state groundwater association activities include:

Oklahoma: <https://www.okgroundwater.org/>

Colorado: <https://www.cgwa.co/events-1/>

Nebraska: <http://www.nebraskawelldrillers.org/>

Missouri: <http://www.missouriwaterwellassociation.com/>

### Featured Items

[Electronic Health Records](#)

[Find a Local Health Department](#)

[Kansas Health Matters](#)

[Kansas Meaningful Use Public Health and Medicaid EHR](#)

[Incentive Reporting](#)

[Kansas Smoke Free](#)

[KanCare](#)

[Private Water Well Testing](#)

**NEW**

[Safe Disposal of Medical Sharps](#)

[State Health Assessment and Improvement Plan](#)

[Waste Management Feature Showcase](#)



Are you a property owner with a private water well?

- Did you know, KDHE does not regulate or test private water wells?
- Property owners are responsible for the testing and maintenance of their private water wells.
- KDHE recommends these wells should be tested every 1-3 years.

This website is a collection of resources to help property owners with their well testing needs. KDHE advises that all well owners call us at 785-296-5500 for more information.

[http://www.kdheks.gov/wellwateraware/local\\_resource\\_map.htm](http://www.kdheks.gov/wellwateraware/local_resource_map.htm)

Don't get left behind...

Jump on the **KOLAR** Express



## KANSAS ONLINE AUTOMATED REPORTING by Deb Biester and Pam Chaffee, PG

In 2009, the Kansas Department of Health and Environment (KDHE) Bureau of Water, Geology Section and the Kansas Geological Survey (KGS) began discussing the use of KOLAR for submitting water well records by Kansas licensed water well contractors. Fifty-eight contractors were registered when the first water well record (WWC-5 Form) and fee payment were submitted via KOLAR on September 12, 2011. The first water well plugging record (WWC-5P Form) was submitted via KOLAR on June 24, 2014. As of April 17, 2019, 106 contractors have registered to use KOLAR.

Only Kansas licensed water well contractors can use KOLAR and they must be registered by KDHE. Instructions for registering are available on the Water Well Program website at: [www.kdheks.gov/waterwell/index.html](http://www.kdheks.gov/waterwell/index.html), at the link under KOLAR, under the heading **WWC-5/WWC-5P Forms**. The link <http://kolar.kgs.ku.edu> is used to start the registration process.

To submit a record for water well construction or reconstruction, select "WWC-5 Form," or to submit a plugging record select "WWC-5P Form." The location of the well must first be entered as latitude and longitude coordinates in decimal degrees, and the horizontal datum (WGS84, NAD83, or NAD27) must be selected for the source of the coordinates. KOLAR then automatically completes the portions of the record that report the location of the well (county, section, township, range and four quarter fractions). Be sure the lat/long coordinates used are correct or the well will be incorrectly located.

Once the location information is entered, then completion of the form can proceed and KOLAR provides guidance along the way. The user is warned when information is required to be entered, or is questionable or invalid. It also shows associated fields that must be completed based upon previously entered information about the well.

Any errors that would prevent submission of the form will be identified and the user can continue editing until the problems are resolved and submission can be completed. Form submission is quick and easy.

Well record reporting via KOLAR requires online payment by credit card. Payment fees are \$7 for the first well construction record and \$6.50 for each additional record when several are submitted together. Conventional filing of water well records requires a \$5 fee payment for each well construction record and expenses for mailing (postage and envelope). Remember, record fee payment is only required for new well construction. There is no charge for records reporting reconstruction or plugging of water wells.

Questions and requests for assistance in using KOLAR can be submitted to Pam Chaffee or Deb Biester at KDHE, or to the KGS KOLAR staff by using the Help tab.

**SO ALL ABOARD...CLICK TODAY...  
AND SIMPLY YOUR LIFE**



Instructions for registering to use KOLAR and how to use it are provided at:

[www.kdheks.gov/waterwell/download/KOLAR\\_Registration\\_and\\_Instructions.pdf](http://www.kdheks.gov/waterwell/download/KOLAR_Registration_and_Instructions.pdf)

For questions, call Pam Chaffee at 785-296-3565 or Deb Biester at 785-296-5524.





**KDHE OFFICES WILL BE CLOSED ON THE FOLLOWING DAYS...**

Monday, May 27, 2019	Memorial Day
Thursday, July 4, 2019	Independence Day
Monday, September 2, 2019	Labor Day
Monday, November 11, 2019	Veterans Day
Thursday, November 28, 2019	Thanksgiving
Friday, November 29, 2019	Thanksgiving
Wednesday, December 25, 2019	Christmas

# Web News

The following changes have recently been made to the Geology & Well Technology Unit website:

**Geology (<http://kdheks.gov/geo>)**  
 Updated Index Page  
 Updated Organizational Chart  
 Added Upcoming Seminar Information

**UHS (<http://kdheks.gov/uhs>)**  
 Updated Index Page

**UIC (<http://kdheks.gov/uic>)**  
 Updated Index Page  
 Added Procedure UIC12(b)  
 Revised Procedure UIC-18  
 Added Procedure UIC1-9(b)  
 Revised Forms:  
 CL1 Disposal Well SFL Plan  
 CL1 Disposal Well MIT Plan  
 CL3 Gamma Log Test Plan Form

**Water Well (<http://kdheks.gov/waterwell>)**  
 Updated Index Page  
 WWC-1 Application for WW Contractor License  
 WWC-1R Renewal App for WW Contractor License  
 WWP-9 Procedure for Obtaining a Kansas Water Well Contractors License  
 WWP-12 Procedure for Renewing a Kansas Water Well Contractor License

**NEW FROM THE KANSAS GEOLOGICAL SURVEY**



**Kansas Groundwater Data and How to Mine It**  
 Brownie Wilson, GIS /Support Services Manager, Kansas Geological Survey  
 2nd Floor Commons Zone (top floor), Slawson Hall  
 Tuesday, April 16, 8:30 a.m.  
 Coffee and rolls provided  
 Professional Development hour available

<http://hercules.kgs.ku.edu/geohydro/bwilson/lecture/index.html>

Upcoming KDHE, GWTU Fall 2019 Seminar/Tech Fair  
 October 8-9  
<http://kdheks.gov/geo>

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ENVIRONMENT

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## UNDERGROUND NEWS

Kansas Department of  
Health and Environment

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Bureau of Water - Geology & Well Technology Unit

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MEMBER:



**KDHE's Mission is to Protect and Improve the  
Health and Environment of all Kansans**