



# MISSOURI BOARD OF GEOLOGIST REGISTRATION

VOLUME 10, ISSUE 1

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## THE GEOLOGIST REGISTRATION EXAM UPDATE



**Guy Gilbert**

In 2010 the Association of State Boards of Geology (ASBOG) conducted its fourth Task Analysis Survey (TAS). The TAS is conducted every five years for both the Fundamentals of Geology (FG) examination and Practice of Geology (PG) examination. The TAS is a survey prepared by the Council of Examiners (COE) to represent the eight geologic content domains encompassing 43 tasks performed by geologists. The survey form focuses on tasks that involve protection of the health, safety and welfare of the public. The survey form is mailed to licensed geologists selected at random from the lists of registered/licensed geologists provided by those Member Board states with geologist registration/licensure requirements. (NOTE: The 2010 TAS was distributed in 30 states and 10 Canadian provinces and territories.) Geologists rate (1) the time spent performing each geologic task, and (2) the importance of each task on protecting the health, safety and welfare of the public. Results from the TAS determine the number of questions for each geologic task to be included in both the FG and PG Examinations.

The 2010 TAS was mailed to 200 randomly selected geologists from each ASBOG member state. For Missouri that means about one of every five licensed geologists was asked to participate. Missouri had a TAS survey return rate of 42% (Thank You!) which was virtually equivalent to the national response rate. In addition the correlation coefficient between states as to the ranking and importance of the 43 tasks was  $r=.996$  with 1 representing perfect agreement. Adding to this; also included in the TAS were state licensed geologists living and practicing in states that did not require licensure. Simply stated the consensus of the importance and relevance of the TAS is consistent across all 50 states. Given the sample size and high response level we believe the test is well representative of the field of geologic practice throughout the United States.

As noted earlier this practice is represented by eight domains and 43 tasks that are broken down as follows (Note this information is also available on the ASBOG.org web site):

*...Continued on page 3*

## 2012 BOARD OF GEOLOGIST REGISTRATION MEETING DATES

JANUARY 12  
JEFFERSON CITY, MO

MAY 23  
TBD

AUGUST 21  
JEFFERSON CITY, MO

NOVEMBER 14  
ROLLA, MO

**Governor**

The Honorable Jeremiah W. (Jay) Nixon

**Department of Insurance, Financial Institutions  
and Professional Registration**

John M. Huff, Director

**Division of Professional Registration**

Jane A. Rackers, Director

**Missouri Board of Geologist Registration**

Gary Pendergrass, RG, Chairperson  
Springfield, Missouri

John Bogner, RG, Vice Chair  
St. Louis, Missouri

Guy Gilbert, RG, PE, Secretary  
Jefferson City, Missouri

Don Warner, RG, PE, Member  
Rolla, Missouri

Joseph Gulino, PhD, Public Member  
Hartsburg, Missouri

Joseph Gillman, State Geologist  
Rolla, Missouri

Vacant, Member  
Vacant, Public Member

Pamela Groose, Executive Director  
Roxy Brockman, Administrative Assistant  
Hollie Sheller, Licensure Technician II

3605 Missouri Boulevard, P.O. Box 1335  
Jefferson City, Missouri 65102  
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**STATE OF MISSOURI**  
Division of Professional Registration

This is an official publication of the  
Division of Professional Registration.

**Submit articles to:**

Missouri Board of Geologist Registration,  
P.O. Box 1335, Jefferson City, MO 65102.

## MISSOURI LAW THAT CAN AFFECT YOUR LICENSE STATUS

### Income tax & Tax returns

This law has been on the books for several years now, but a reminder is always a benefit. The Missouri Board of Geologist Registration is required to give your Social Security Number to the Department of Revenue before granting a new license or a renewal. If you are an existing licensee, your SSN will be provided to the DOR approximately 30 days before your renewal. The DOR will determine if you owe any back Missouri income taxes or if you've failed to file a Missouri income tax return in the past three years. If so, you will be notified. You will have 90 days from that notification to the non compliance or your license will be suspended until you are in compliance. If you are applying for a new license, your SSN will be given to the DOR within 30 days of your application. If you are not in compliance, your application will not be considered until you are in compliance. The current requirements became effective with the passage of House Bill 978 (2004). You may recall that House Bill 600, passed in 2003, required revocation for non-compliance. The law was changed in 2004 to require suspension. The law is section 324.010 RSMo.



## VISIT OUR WEB PAGE

Go to <http://pr.mo.gov/geologists.asp> to view  
The Missouri Board of Geologist Registration's web page.

### You will find information relating to the following:

- Recent Board Activities
- Current Board Members
  - Staff Members
- Upcoming Meeting and Examination Dates
  - Open Meeting Minutes
- Geology Laws and Rules
  - Related Links

Please send your comments/suggestions regarding the Newsletter to:

**Executive Director, Board of Geologist Registration,  
P.O. Box 1335, Jefferson City, MO 65102**

or e-mail:

[pam.groose@pr.mo.gov](mailto:pam.groose@pr.mo.gov) or to [geology@pr.mo.gov](mailto:geology@pr.mo.gov)

Your comments/suggestions are welcomed and encouraged!

## THE GEOLOGIST REGISTRATION EXAM UPDATE BY: GUY GILBERT ...CONTINUED FROM PAGE 1...

**ASBOG® Task Analysis 2010****Fundamentals of Geology-Test Domain**

	<b>Blueprint</b>
A. General and Field Geology	20%
B. Mineralogy, Petrology, and Geochemistry	11%
D. Geomorphology, Surficial Processes, and Quaternary Geology	13%
E. Structure, Tectonics, and Siesmology	11%
F. Hydrogeology	11%
G. Engineering Geology	11%
H. Economic Geology and Energy Resources	11%
<b>Total Number of Items</b>	<b>140</b>

**ASBOG® Task Analysis 2010****Practice of Geology - Test Domain**

	<b>Blueprint</b>
A. General and Field Geology	21%
B. Mineralogy, Petrology, and Geochemistry	5%
D. Geomorphology, Surficial Processes, and Quaternary Geology	8%
E. Structure, Tectonics, and Siesmology	9%
F. Hydrogeology	19%
G. Engineering Geology	17%
H. Economic Geology and Energy Resources	16%
<b>Total Number of Items</b>	<b>110</b>

**NEW LICENSEES**

7-1-09 to 6-30-11

Arnwine, Franky D.	Ferguson, Theresa M.	Port, Juliet E.
Atkins, Robert Lee	Gaunt, David A.	Potter, Elyn G
Baumgartner, Scotty D	Goeden, Jeffrey C	Rindermann, Bernd T.
Beck, Kelly Ann	Goodman, William M.	Robinson, Jeremy S.
Boughan, Molly J.	Haney, Ryan S	Robison, Lori C.
Burkard, Jayson M.	Hart, Megan L	Rohde, John Anthony
Burkemper, Andrew	Huff, Timothy A.	Saindon, Rosanna M
Cable, John W.	Hughes, Brian	Schofield, Michael L.
Carter, Brian	Hughes, Michelle L.	Schroer, Anthony M.
Cassidy, Katherine B	James, Lindsay E.	Siesener, Stephen R.
Clement, Benjamin	Johnston, Joel P.	Smotherman, James B.
Cox, Craig A.	Jones, Thomas F.	Stoner, Sherri A.
Crawley, Russell D.	Kaspzyk, Robert L	Sullivan, Daniel G.
Crump, Timothy E.	Keller, Anne E.	Tensmeyer, Kelly L
Cummings, Mark F	Knoch, Thomas J.	Thibault, Charles H
Currier, Patty Elaine	Markley, Monte R	Utne, John Isaiah
Dolan, Edward B.	Messinger, Lisa G.	Varsa, Stephen R.
Doll, Travis	Miller, Kevin J	Wallace-Wymore, Kimberly
Doyle, Philip W.	Moylan, John E.	Walter, Alexander
Drahovzal, James A.	Nienhaus, Teresa M.	Watson, Meredith P.
Dulaney, Donald W.	Norris, Charles H.	Wetherbee, Richard E.
Earnest, Kenneth R.	Powell, David	Zeko, Mark T
Epps, Vincent J.	Parish, Joseph M.	
Evans, Kevin Ray	Pate, Christopher Scott	

# KNOW YOUR BOARD MEMBERS



**Gary Pendergrass** - Chairperson  
Engineering Geologist  
Springfield, MO  
Term Expires: 4/11/10



**John Bognar** - Vice Chair  
Hydrogeologist  
Saint Louis, MO  
Term Expires: 4/11/10



**Guy Gilbert** - Secretary  
Geologist State Employee  
Jefferson City, MO  
Term Expires: 4/11/09



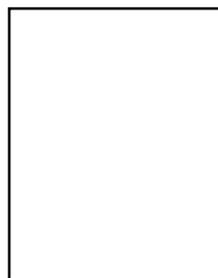
**Don Warner** - Member  
Engineering Geologist  
Rolla, MO  
Term Expires: 4/11/07



**Joseph Gulino** - Public Member  
Hartsburg, MO  
Term Expires: 4/11/08



**Joseph Gillman** - State Geologist  
State Geologist  
Rolla, MO



**Vacant** - Member



**Vacant** - Public Member

# MOVING?

**PLEASE NOTIFY THE  
BOARD OFFICE OF  
YOUR NEW ADDRESS.**

The rules and regulations require all licensees to notify the Division of all such changes by sending a letter of notification to the office in Jefferson City, Missouri. Please include a street address to facilitate any express mail deliveries. Visit [www.pr.mo.gov/geologists.asp](http://www.pr.mo.gov/geologists.asp) then click "Change of Address."

# MISSOURI CANDIDATES PASS/FAIL RATES

## ***March 4, 2011***

### **Fundamentals of Geology**

Number of candidates			15
Number of candidates who passed	6	=	40% Pass Rate
Number of candidates who failed	9	=	60% Fail Rate
Range of scaled scores			84.00 to 45.00

### **Practice of Geology**

Number of candidates			15
Number of candidates who passed	11	=	73% Pass Rate
Number of candidates who failed	4	=	26% Fail Rate
Range of scaled scores			88.00 to 55.00



## ***October 1, 2010***

### **Fundamentals of Geology**

Number of candidates			8
Number of candidates who passed	4	=	50% Pass Rate
Number of candidates who failed	4	=	50% Fail Rate
Range of scaled scores			71.00 to 57.00

### **Practice of Geology**

Number of candidates			7
Number of candidates who passed	3	=	43% Pass Rate
Number of candidates who failed	4	=	57% Fail Rate
Range of scaled scores			74.00 to 50.00

## ***March 5, 2010***

### **Fundamentals of Geology**

Number of candidates			14
Number of candidates who passed	8	=	57% Pass Rate
Number of candidates who failed	6	=	43% Fail Rate
Range of scaled scores			82.00 to 41.00

### **Practice of Geology**

Number of candidates			5
Number of candidates who passed	5	=	100% Pass Rate
Number of candidates who failed	0	=	0% Fail Rate
Range of scaled scores			84.00 to 70.00

## ***October 2, 2009***

### **Fundamentals of Geology**

Number of candidates			23
Number of candidates who passed	5	=	28% Pass Rate
Number of candidates who failed	18	=	72% Fail Rate
Range of scaled scores			84.00 to 46.00

### **Practice of Geology**

Number of candidates			19
Number of candidates who passed	15	=	79% Pass Rate
Number of candidates who failed	4	=	21% Fail Rate
Range of scaled scores			89.00 to 53.00

# ASSOCIATION CONTACT INFORMATION

**AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS (AIPG)**

1400 W 122nd Ave  
Westminster, CO 80234  
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**ASSOCIATION OF ENGINEERING GEOLOGISTS (AEG)**

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<http://aegweb.org>  
E-mail: [aeg@aegweb.org](mailto:aeg@aegweb.org)

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**KC/Omaha Section**

Joshua Sales  
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**GEOLOGICAL SOCIETY OF AMERICA**

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**ASSOCIATION OF MISSOURI GEOLOGISTS**

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**NATIONAL ASSOCIATION OF STATE BOARDS OF GEOLOGY (ASBOG)**

P.O. Box 11591  
Columbia, South Carolina 29211-1591  
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**SOCIETY FOR MINING, METALLURGY AND EXPLORATION**

8307 Shaffer Parkway  
Littleton, Colorado 80127  
Telephone: 800-763-3132  
303-948-4200  
Fax: 303-973-3845  
<http://www.smenet.org/>  
E-mail: [cs@smenet.org](mailto:cs@smenet.org)

**AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS**

1444 South Boulder  
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Tulsa, OK 74101-0979  
Telephone: 800-364-2274  
918-584-2555  
Fax: 918-580-2665  
<http://www.aapg.org>  
E-mail: [postmaster@AAPG.org](mailto:postmaster@AAPG.org)

**MISSOURI GROUNDWATER ASSOCIATION**

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

# MISSOURI STATE BOARD OF GEOLOGIST REGISTRATION

## RECENT BOARD ACTIVITIES

### November 17, 2009

At their November 17, 2009 meeting at the Division of Professional Registration, 3605 Missouri Boulevard, Jefferson City, Missouri, the board accomplished the following:

- Approved the minutes from the August 26, 2009 meeting.
- Reviewed the Rules Report in regard to 20 CSR 2145-2.030 and 20 CSR 2145-2.040.
- Heard reports regarding meetings attended:  
ASBOG Fall COE on November 5-6, 2009 by Guy Gilbert and Gary Pendergrass.  
ASBOG Annual Conference on November 7, 2009 by Guy Gilbert and Gary Pendergrass
- Guy Gilbert shared his experience regarding the presentation and visit at Northwest Missouri State University in Maryville, Missouri.
- Discussed who may attend upcoming national meetings: FARB, ASBOG Spring COE and Task Analysis.
- Heard a review and update on the Joint Task Force Areas of Practice document by John Bognar.
- Heard the Executive Director's report regarding the financial report and revised application forms.

### February 2, 2010

At their February 2, 2010 meeting held at the Division of Professional Registration, 3605 Missouri Boulevard, Jefferson City, Missouri, the board accomplished the following:

- Approved the minutes from the November 17, 2009 meeting.
- Discussed the report on rules: 20 CSR 2145-2.030 and 20 CSR 2145-2.040.
- Discussed rules of reciprocity and granting of such and the authority and duties of the boards.
- Discussed upcoming meetings and members who will attend. Suggestion was made that all geologist board members attend the St Louis ASBOG meeting on November 4-6, 2010. Discussed the responsibility of the board at these meetings.
- Heard report regarding AEG and AIPG and earthquake awareness they are addressing.
- Heard financial report from Executive Director. License renewal will only be \$10.00 again for the next biennial renewal cycle. There is a possibility the fee will need to be increased for future years.
- Had much discussion regarding the proper time to schedule meetings in the future to best certify applicants who wish to take the ASBOG examination.
- Discussed the need and possibility of a board workshop to develop a plan to define 36 months of an applicant's work experience.
- Held election of officers.

### April 15 - 16, 2010

On April 15, 2010 at 4:00pm, Guy Gilbert, Chair, presented to the students at the University of Missouri – Kansas City, information in regard to the State Board of Geologist Registration's creation and function as well as information regarding the ASBOG Fundamentals and Practicals examination.

At their April 16, 2010 meeting held at the Division of Professional Registration, 3605 Missouri Boulevard, Jefferson City, Missouri, the board accomplished the following:

1. Approved the minutes from February 2, 2010 open meeting.
2. Discussed the ASBOG Call for Nominations
3. Discussed meetings attended by Mr. Gilbert at the ASBOG Spring Council of Examiners (COE) April 8-9, 2010 and the ASBOG Task Analysis Survey (TAS) on April 10, 2010.
4. Discussed the upcoming meeting ASBOG Fall COE and Annual meeting in St Louis, Missouri, November 4-6, 2010. All members were encouraged to attend. Ms. Groose and Ms. Brockman will attend as Missouri is the host state.
5. Heard financial report from Executive Director. There was discussion again of the possibility the renewal fee will need to be increased for future years and Ms. Groose said that will be ascertained at the end of the current fiscal year 2010.
6. Had much discussion regarding the proper time to schedule meetings in the future to best certify applicants who wish to take the ASBOG examination.
7. Workshop session discussion resulted in Dr. Warner offering to draft a policy statement of core curriculums and electives to be reviewed and discussed at next meeting. There was discussion regarding changes to the wording on the Certification of Experience form.

*(Report from meetings of the State Board of Geologists Registration...continued...)*

**August 18, 2010**

At their August 18, 2010 meeting held at the Division of Professional Registration, 3605 Missouri Boulevard, Jefferson City, Missouri, the board accomplished the following:

- Reviewed an e-mail from board member John Bognar regarding a post baccalaureate guide to the Board of Geologist Registration's applicants.
- Discussed the work of Mr. Bognar and moved to restructure and more clearly define the document for further review.
- Discussed the process of geologist registration and presented possible adjustments to said process.
- Discussed a possible addition to the education requirements regarding geologist registration. Moved to go forward with designing a revision to the rule language regarding education requirements.
- Reviewed the upcoming national meeting of the ASBOG Fall COE on November 4-5, 2010 and the ASBOG Annual Meeting on November 6, 2010, in St. Louis Missouri. Followed by an ASBOG field trip to the Taum Sauk area on November 7, 2010.
- Heard the Executive Director's report regarding fiscal needs of the future.

**November 17, 2010**

At their November 17, 2010 meeting held at the Division of Professional Registration, 3605 Missouri Boulevard, Jefferson City, Missouri, the board accomplished the following:

- Reviewed proposed rule change to Missouri Board of Geologist Registration Section CSR 2145-2.020 Educational Requirements and 20 CSR 2145-2.030 Post Baccalaureate Experience.
- Guy Gilbert reviewed the ASBOG Fall COE and ASBOG Annual Meeting of November 4-6, 2010 in St. Louis, Missouri.
- Guy Gilbert notified the board of the ASBOG Spring COE in San Diego, California, April 1-2, 2011.
- Heard the report from John Bognar regarding an AIPG panel group that addressed Missouri State University students and extended a field trip invitation to them.
- Heard the report from the Executive Director.

**January 10, 2011**

At their January 10, 2011 meeting held at the Division of Professional Registration, 3605 Missouri Blvd, Jefferson City, Missouri, the board accomplished the following:

- Approved minutes from the November 17, 2010 meeting.
- Reviewed 20 CSR 2145-2.020 Educational Requirements rule updates.
- Discussed upcoming meetings, ASBOG COE April 1-2, 2011.
- Reviewed other state's laws and requirements for licensure for geologist registration.
- Heard the Executive Director Report.
- Reviewed information from the Kansas State Board and the Missouri PST Insurance Fund.

**May 4, 2011**

At their May 4, 2011 meeting held at the Division of Professional Registration, 3605 Missouri Blvd, Jefferson City, Missouri, the board accomplished the following:

- Approved minutes from the January 10, 2011 meeting.
- Heard a report from Executive Director in regard to 20 CSR 2145-1.040 Fees and 20 CSR 2145-2.020 Educational Requirements.
- Reviewed e-mail received by Sam Christiano regarding ASBOG Board nominations. Moved to nominate Guy Gilbert to the ASBOG Member Board Administrators. Mr. Gilbert respectfully declined. Further discussion and clarification followed.
- Discussed the passing of Steven Paul Warner and his work with ASBOG as a psychometrician.
- Discussed revisions and additions to State Board of Geologist forms.
- Reviewed meetings attended and upcoming meetings available to the members of the State Board of Geologist Registration. Upcoming meetings are the ASBOG Fall COE November 2-3, 2011 and ASBOG Annual meeting on November 5, 2011. Both meetings will be held in San Antonio, Texas.
- Tabled the review of other state board of geology requirements.
- Heard a concern from AIPG regarding the status of the profession of geology and college geology programs.
- Heard a report from the Executive Director regarding:
  - Finances
  - Future Meeting Dates
  - GRIT License length

## ASBOG NATIONAL EXAMINATION DATES



**All of the examinations are tentatively scheduled as follows:**

- Fundamentals of Geology - 8:00am until 12:00noon
  - Principles of Geology - 1:00pm until 5:00pm
- March 2, 2012 - Friday

**Registration deadline to take the examination in Missouri is:**

Friday, December 16, 2011

**Registration deadline to take the examination in Missouri is:**

Friday, October 5, 2012

**Registration deadline to take the examination in Missouri is:**

Friday, July 20, 2012

**Exam Registration Process:** To register to take either the Fundamentals of Geology or Practice of Geology portions of the National Association of State Boards of Geology (ASBOG) National Examinations, go to the Board of Geologist Registration's website at [pr.mo.gov/geologists.asp](http://pr.mo.gov/geologists.asp) and then click on Examination Information. Please visit the ASBOG website in order to obtain a copy of the ASBOG's Professional Geologist's "Candidate Handbook."

## ASSOCIATION & SOCIETY MEETING DATES

SOCIETY FOR MINING, METALLURGY AND  
EXPLORATION  
2012 SME ANNUAL MEETING AND EXHIBIT  
SEATTLE, WA  
FEBRUARY 19 TO 22, 2012

AMERICAN ASSOCIATION OF PETROLEUM  
GEOLOGISTS  
ANNUAL CONVENTION & EXHIBITION  
LONG BEACH, CA  
APRIL 22 TO 25, 2012



## LICENSURE AND EXAMINATION PRESENTATIONS

**T**he Board has initiated a program to inform prospective graduates of the process to become a Registered Geologist, as well as the examination registration process. The Executive Director and several Board members have visited many schools across the state and made presentations on both processes. If you would like to have one of these presentations on your campus, please contact our office.



