



# IGWA Newsletter

Summer 2010

The quarterly newsletter of the Indiana Ground Water Association (IGWA)

IGWA Office: 7915 S. Emerson Avenue, Suite 132, Indianapolis, IN 46237-9708

Phone: 888-443-7330 • 317-889-2382 • Fax: 317-889-3935

Email: [ingroundwater@msn.com](mailto:ingroundwater@msn.com) • Website: [www.indianagroundwater.org](http://www.indianagroundwater.org)

## MESSAGE FROM THE PRESIDENT

Dear IGWA Members,

As the summer days become longer, I find myself off to work earlier and getting home later. It sort of comes with the job this time of year. The hours never bothered me much until one evening I got home early. My oldest stepdaughter remarked "Do you still live here?" All of sudden you realize how much you are gone. Who suffers more for the long hours, you or your family? I'm not complaining, it's good to be busy again. But let's not forget our families as they are the reason we work as hard as we do. They are our priority. Have a Safe and Prosperous Summer and enjoy your families.

Ron Shipe, President IGWA  
Shipe Well Drilling

PS- November is only 5 months away. We will be looking for new board members for 2011. If you are interested, contact Donna or me at 888.443.7330 or email [ingroundwater@msn.com](mailto:ingroundwater@msn.com)  
Thank you.



## IGWA Scholarship Awards AND THE WINNERS ARE ...

This year we had another record number of worthy applicants, twelve in all. It just keeps getting harder and harder to make a decision. If your student has submitted an application in the past, they may re-submit every year, even if they were awarded a scholarship in the past.

### This year's winners are:

- Jason Carnes (parent is Randy Carnes of Preferred Pump, Indianapolis)
- Caitlin Kapps (parent is Michael Kapps, Loopmaster, Indianapolis)
- Derick Shipe (parent is Richard Shipe, Shipe Well Drilling, Pleasant Lake)



#### Jason Carnes

Jason has been accepted by ITT Technical Institute to study for an Associate's Degree in Computer Drafting and Design. He will then study for a Bachelor's Degree in Construction Management. Jason's ultimate goal is to own a construction company for residential and commercial projects.



#### Caitlin Kapps

Caitlin is a second year student at the University of Southern Indiana. She is studying Diagnostic Medical Sonography. She has been on the Dean's List each semester by achieving a cumulative 3.5 gpa and volunteers up to 25 hours per semester in various philanthropic activities.



#### Derick Shipe

Derick has been accepted at Purdue University to study for a degree in Mechanical Engineering Technology. His interest in mechanics has allowed him to work in this area throughout his high school years.

The IGWA recognizes these students as outstanding applicants. We wish them great success in their pursuit of higher learning. Good luck!

*The IGWA scholarship application is located on the IGWA website at [www.indianagroundwater.org](http://www.indianagroundwater.org) or you can call the office at 888.443.7330.*



## IGWA FALL CEU EDUCATION EVENT NOVEMBER 5-6, 2010

Location and Details are forthcoming

Contact IGWA if you're interested in being a presenter or have presentation ideas.

**IGWA Phone: 888-443-7330 • 317-889-2382 • Fax: 317-889-3935**

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**INDIANA GROUND WATER ASSOCIATION  
3RD ANNUAL TRAP SHOOT  
BENEFITING THE IGWA SCHOLARSHIP FUND**

**SATURDAY, July 31, 2010 • 10 am – 4 pm** (or until finished)  
**KOSKO CONSERVATION CLUB, WARSAW, IN**

2391 N. Fox Farm Rd. Warsaw, IN 46580  
Site phone: 574-267-7599 (only good day of event)

If you are interested in sponsoring our 3rd Annual Trap Shoot, contact the IGWA office at 888.443.7330 or email [ingroundwater@msn.com](mailto:ingroundwater@msn.com) or see the options below.

FEES: \$50 per person includes shoot and lunch (rounds will be \$6 for 25 shots to be purchased the day of the event)

**QUESTIONS:**

Call 888.443.7330 or 317.889.2382

**REGISTRATION:**

Please fax, email or mail to the IGWA Office by Wednesday, July 21st, 2010  
Fax: 317.889.3935 • Email: [ingroundwater@msn.com](mailto:ingroundwater@msn.com)  
Mail: IGWA 7915 S. Emerson Ave., Ste 132, Indianapolis, IN 46237

Company: \_\_\_\_\_

Name/s: \_\_\_\_\_

Address, City, St, Zip: \_\_\_\_\_

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**AMOUNT ENCLOSED:**

Shoot & Lunch \_\_\_\_\_ people @ \$50 per person..... \$ \_\_\_\_\_

Lunch only \_\_\_\_\_ people @ \$15 per person ..... \$ \_\_\_\_\_

Sponsorship Contribution..... \$ \_\_\_\_\_

Scholarship — additional contribution ..... \$ \_\_\_\_\_

Total ..... \$ \_\_\_\_\_

**Join your IGWA colleagues from around the state for a "Trap Shoot" at the Kosko Conservation Club, Warsaw, Indiana Your registration fee will include 3 rounds of 25 clay pigeons each and lunch!**

**IGWA TRAP SHOOT ... THINGS YOU NEED TO KNOW**

- Safety Training Sticker - will be required by attending a brief safety training session before you can shoot
- A limited supply of ear protection and safety glasses will be provided
- A limited number of shotguns will be available
- Its Recommended that shells are purchased from Kosko day of event approximate cost starts at 6.00/box 12 and 20 ga only.

**Safety Issues You Should Know:**

- Guns should always be unloaded prior to shooting
- Gun actions to be open when not shooting or moving from station to station
- Load only one shell at a time or if shooting skeet two shells for doubles
- Ear and eye protection is required
- Max Shot size is 7 1/2
- Max Shell is 3dr

**SPONSORSHIP OPPORTUNITIES**

Sponsors will be acknowledged verbally and on signage throughout the program in addition to an upcoming issue of the IGWA Newsletter.

Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Sign me up for the following sponsorships (we can have more than one sponsor per category):

\_\_\_\_\_ \$150 Clay Pigeons      \_\_\_\_\_ \$150 Morning Break

\_\_\_\_\_ \$150 Afternoon Break      \_\_\_\_\_ \$300 Luncheon



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## WATER WELL PUMP INSTALLER LICENSING AND CONTINUING EDUCATION REQUIRED BY SENATE ENROLLED ACT 356

With the passage of Senate Enrolled Act 356 (SEA 356) by the 2010 Indiana General Assembly, “**a person who installs or repairs water well pumps**” must be licensed by the IDNR beginning in 2011. In addition, SEA 356 requires that a “**licensed water well driller or pump installer must complete at least six (6) hours of approved continuing education before December 31 of each even-numbered year for license renewal**”. SEA 356 becomes effective July 1, 2010.

The IDNR, Division of Water anticipates that a single license card will be issued that will specify whether an individual is a water well driller, water well pump installer, or both. The annual fee for an original or renewed license (driller, pump installer, or both) is expected to remain at \$100.

- Prior to July 1, 2011, an individual can obtain a water well pump installer license from the IDNR without taking a competency exam if they meet the following qualifications:
- Be at least 18 years of age;
- Furnish evidence that the applicant has installed water well pumps for at least three (3) years;
- Furnish references from three (3) individuals who are licensed under IC 25-39 and are familiar with the applicant's experience and competency; and
- Pay a \$100 license fee.

Individuals who do not meet the qualifications listed above, or have not obtained a pump installer license by July 1, 2011, are required to meet the following qualifications in order to obtain a license:

- Be at least 18 years of age;
- Furnish evidence from three (3) references, two (2) of whom are water well drillers, water well pump installers or licensed plumbing contractors familiar with the applicant's work experience and professional competency;
- Have successfully completed a competency examination prepared and administered by the department; and
- Pay a \$100 license fee.

Beginning in 2012, a person who has held a well driller and/ or pump installer license for at least one (1) calendar year must complete at least six (6) hours of approved continuing education for license renewal. A minimum of six hours of continuing education is believed to be applicable for the renewal of each license; therefore, a combination water well driller and pump installer license will require a minimum of twelve (12) total hours of approved continuing education for license renewal during each even-numbered year.

The Division of Water is currently developing the application, work verification and reference forms for the water well pump installer license, as well as forms for the verification of continuing education. These new forms, as well as the pump installer licensing exam, will be made available later this year. The Division of Water is also in the process of amending the Water Well Driller's Rule (312 IAC 13) to accommodate the new provisions of SEA 356. The proposed rule revisions were presented to the Natural Resources Advisory Council by the Division of Water on June 9, 2010, and have been recommended to be preliminarily adopted by the Natural Resources Commission. The next meeting of the Natural Resources Commission is scheduled for 10:00 am (EDT) on July 20, 2010, at The Garrison located in Fort Harrison State Park, Indianapolis. If the proposed rule is preliminarily adopted at that time, the IDNR will conduct hearings throughout the State to obtain public comment. The Division of Water will provide water well drillers and pump installers with dates and locations of the public hearings when they have been scheduled. Within the next several weeks, a copy of the proposed rule and updates regarding the new licensing and continuing education program will be made available for review on the Division of Water's Webpage at [www.in.gov/dnr/water](http://www.in.gov/dnr/water).

For updates or additional information regarding the new water well pump installer licensing and continuing education programs, please contact Mark Basch or Monique Riggs of the Division of Water at the following phone numbers or e-mail addresses:

Mark Basch; (317) 232-0154 or [mbasch@dnr.in.gov](mailto:mbasch@dnr.in.gov)  
Monique Riggs; (317) 234-1085 or [mriggs@dnr.in.gov](mailto:mriggs@dnr.in.gov)

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### 2010 Illinois Groundwater Association Meeting — Call for Presenters

We are seeking additional speakers as we plan the Fall 2010 Illinois Groundwater Association meeting to be held at NIU Hoffman Estates Conference Center on Friday September 24th. This will be a special meeting, coordinated with AIPG that will allow us to enjoy hearing coastal geologist, Dr Michael Chrzastowski, both at our meeting and as the commentator for an all-day field trip through Chicagoland the following day, Saturday, September 25th.

For more information, visit: <http://www.niu.edu/maps/ctrdir.shtml>

## WELL RESCUE TURNS TRAGIC

By Nick Werner, *The Star Press*, [nwerner@muncie.gannett.com](mailto:nwerner@muncie.gannett.com)

MUNCIE, MAY 27, 2010 — At least one person died Wednesday, May 26 after being overcome by fumes in a well pit outside an East Centennial Avenue home.

In all, four men, including two Liberty Township firefighters, were rendered unconscious by the fumes.

The four victims — a plumber Eric J. Dalton, 40, Anderson, a young man who came to the plumber's aid Justin Benson, a 19-year-old who was working with Dalton, and Liberty Township firefighters Brian Buck and Rick Compton Sr., were raced from the scene by ambulance to Ball Memorial Hospital about 8:30 p.m.

Delaware County Coroner James Clevenger Jr., who was en route to the hospital about 10:15 p.m., confirmed that Eric J. Dalton had died.

According to Liberty Township Fire Chief Brent Devine, the plumber was working in the 10-foot-deep well pit outside a home at 5009 E. Centennial Ave. when he apparently was overcome by fumes from muriatic acid, sometimes used in plumbing repair work.

He entered the well around 4:30 p.m., though it is unknown when he passed out. The well was dry and about four feet across, Devine said. Realizing that the plumber had not been heard from in a while, the young man then entered the well and passed out. "Those vapors, it takes away the air," Devine said. "You cannot breathe in that atmosphere."

Someone then called 911 and firefighters Compton and Buck responded in their personal vehicles and street clothes, entering the well unaware of the dangerous fumes below.

Benson, Buck and Compton all entered the well one after another without the benefit of breathing apparatus or rescue gear.

Benson and Buck remain in critical condition, while Compton is in stable condition, according to Delaware County Emergency Management Agency Director Jason Rogers.

All four men were unconscious when Liberty Township fire trucks arrived on scene with rescue gear.

Liberty Township firefighter Miles Waters entered the well with his breathing gear but still suffered lung and throat irritation. He said none of the four men were breathing as he attached harnesses to them for a rope rescue. "They were all on top of each other," Waters said.

Devine told *The Star Press* that he had heard Compton might have achieved some level of consciousness before leaving the scene, perhaps even speaking, and that Buck had begun breathing on his own. Compton is a 30-year veteran of the department, and has previously served as chief. Buck has been with the department for eight years, Devine said.

The accident happened behind a large, white two-story home east of Country Club Road

## NGWA SAYS LOOP TUBE 'INTEGRAL' PART OF LOOP WELL IN GEOTHERMAL HEAT PUMP SYSTEM

In a newly adopted position paper, the National Ground Water Association states that the loop tube is an integral part of the loop well in a geothermal heat pump system.

A loop tube is the heat exchanger conduit of a geothermal heat pump system through which the heat exchange fluid is circulated and thermal energy transfer takes place. The loop tube is emplaced to the bottom of the vertical borehole and grouted from the bottom of the vertical borehole to the Earth's surface at the drill site.

"The National Ground Water Association believes the grout and the loop tube are integral parts of the loop well and that qualified individuals, such as a Certified Vertical Closed Loop Driller (CVCLD), should be authorized to construct a loop well," says NGWA in its position paper entitled, "Construction of Vertical Loop Wells for Geothermal Heat Pump Systems."

NGWA's position paper states that construction of a geothermal heat pump loop well includes, in continuous order, drilling of the vertical borehole into the Earth, placement of the loop tube to the bottom of the vertical borehole with the grout tremie, and grouting of the vertical borehole from the bottom of the vertical borehole to the Earth's surface.

When these steps are completed, the vertical borehole may now be considered a loop well. Loop emplacement and grouting should be performed in a timely manner to guarantee successful loop tube placement, grout installation, and environmental protection.

Proper grouting procedure is critical to:

1. Protecting the aquifer, or aquifers, including limiting the potential for water movement between aquifers, for purposes of maintaining quality or preserving the hydraulic response of the producing zones
2. Providing thermal contact between the loop tube and the formation (interior wall of the loop well)
3. Accomplishing 1 and 2 in an efficient and economical manner.

To access the position paper on construction of vertical loop wells, click on the Government Affairs menu tab above, then click on "Issues briefs and position statements." To learn more about the CVCLD certification, go to [www.ngwa.org](http://www.ngwa.org) and click on the Programs/Services tab, then click on "Certification."



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**Membership Categories:**

Contractor \$150 \_\_\_\_\_      Technical \$150 \_\_\_\_\_  
 Manufacturer/Supplier \$150 \_\_\_\_\_      Additional Member \$25 \_\_\_\_\_

Additional Member Names:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Payment Type:** Check only \_\_\_\_\_ (Make check to Indiana Ground Water Association)

**Mail registration to:** Indiana Ground Water Association  
 7915 S. Emerson Ave., Suite 132, Indianapolis, IN 46237-9708

**Join today . . . Together we can make a difference!**

### NGWA LAUNCHES FACEBOOK PAGE

The National Ground Water Association has launched a Facebook page to provide useful, relevant information to groundwater professionals and the public, and to foster dialog about groundwater-related issues.

“What makes social media like Facebook so useful is how it permits the free flow of information and dialog. Since NGWA’s mission is to advance groundwater knowledge, Facebook provides an excellent tool for doing just that,” said Cliff Treyens, NGWA public awareness director.

NGWA will be regularly posting pertinent information for groundwater professionals, including water well system contractors, and groundwater scientists and engineers. NGWA will also make regular posts for the public.

“Most people have no idea that 95 percent of all available freshwater comes from aquifers. Whether one owns a water well for a water supply or is hooked up to a public water system, every person has a stake in groundwater because it is so essential to our nation’s welfare,” Treyens said.

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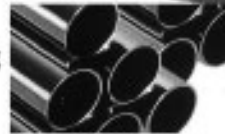
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### Local Contacts

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John Christ (513) 617-2900



**INDIANA GROUND WATER ASSOCIATION**

7915 S. Emerson Avenue, Suite 132  
Indianapolis, IN 46237-9708  
Phone: 888-443-7330 (NEW) • 317-889-2382  
Fax: 317-889-3935  
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**CALENDAR**

**Save the dates for the following:**

**July 31, 2010**

IGWA Trap Shoot

**November 5-6, 2010**

IGWA Annual Meeting and CEU Event, Location TBA

**SEA356 Pump Installer License**

Regional public meetings will be held throughout the state by the DNR regarding the new legislation for SEA356 Pump Installer License. Please check the IGWA website frequently or visit the Division of Water at [www.in.gov/dnr/water](http://www.in.gov/dnr/water) and click on 'groundwater/wells'

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