



POST OFFICE BOX 1636, TALLAHASSEE, FL 32302



**THE SOUTHEASTERN GEOLOGICAL SOCIETY AND FLORIDA ASSOCIATION
OF PROFESSIONAL GEOLOGISTS JOINT FIELD TRIP ANNOUNCEMENT**

March 31 – April 1, 2017

Virginia Key Deep Well Site, Virginia Key, Florida

Central District Wastewater Treatment Plant
3989 Rickenbacker Causeway
Miami FL 33189

**March 31 – Friday Night Meeting, Technical Presentation, and Social: 3071 SW 38th
Ave, Miami, FL 33146**

**April 1 – Saturday Field Trip at Drill Site: Virginia Key, 3989 Rickenbacker
Causeway, Miami, FL 33189**

**Courtesy of the Miami-Dade Water and Sewer Department
Lead by Virginia Walsh, PhD, P.G. – Chief of Hydrogeology**



ALL (SEGS/FAPG) participants must register and submit payment via the SEGS website: www.segs.org, for this trip. Please submit registration, trip forms, and payment by 5:00 PM Thursday, March 30, 2017. Note that registration is open to ALL FAPG and SEGS members and their guests. You do NOT have to be a geologist to attend this exciting event, feel free to invite friends, family, business associates, and colleagues! Any and all properly registered attendees are welcome! All required forms for review and signature are available at the SEGS website.

The Southeastern Geological Society (SEGS) and the Florida Association of Professional Geologists (FAPG) will be jointly hosting a field trip to examine the geology, drilling operations, and hydrogeology of the deep injection well currently near drilling completion at Virginia Key. We have been gracious to have been given the opportunity to visit the Site by the Miami-Dade Water and Sewer Department coordinated through Virginia Walsh, PhD, P.G.

Safety:

All attendees are required to bring the following safety equipment: hard hat, sturdy closed-toe footwear (preferably boots), safety glasses, gloves, and long pants and sleeved shirt (no tank tops or flip flops). In addition, attendees may wish to bring digging tools, rock hammers, and bags to collect specimens. There is no age limit for this trip, so attendee's under the age of 18 are allowed if they are accompanied by an adult/guardian. Please review the attached safety guidelines. Site specific safety training will be given by site personnel the morning of the trip and you will be required to sign the liability forms attached as part of registration in advance.

Timeline and Logistics:

Friday March 31 Meeting: We will be meeting at 6:00 PM at the Miami-Dade County Water and Sewer Department building located at 3071 SW 38th Ave, Miami, FL 33146 (305-665-7477). Parking is located at in the garage located immediately west and adjacent to this address. Attendees can walk into the building and check in with security. Everyone should meet at the entrance lobby and people will be escorted to the meeting room. PLEASE plan in advance to manage rush hour traffic in Miami. Light refreshments will be served and the agenda is as follows:

1. FAPG and SEGS Brief Business Meeting and Legislative Update
2. Technical Presentation titled "Cenozoic and Late Mesozoic Geology and Hydrogeology of a 10,000 foot Exploratory Well, Virginia Key, Florida" by Virginia Walsh, Ph.D., P.G. and Ed Rectenwald, P.G.
3. After the presentation, there will be an opportunity to socialize. Those who are interested can gather up with your friends/colleagues and meet at one of the many nearby restaurants / bars for food, good company, and networking.

Note that site directions and pictures are on the SEGS website under Events tab.

Saturday April 1 Field Trip: At 9:00 AM we will meet in the parking lot of the Central District Waste Water Treatment Plant located on Virginia Key with the address: 3989 Rickenbacker Causeway Miami FL 33189. The agenda for the morning is as follows:

- Overview of the geology, hydrogeology and deep well drilling operations by onsite geologists (Ed Rectenwald, P.G., Principal Geologist with MWH/Stantec, USGS field personnel, and the Youngquist Brothers, Inc., the drilling company onsite). Attendees will get to see the **deepest geologic cores collected in the State** and obtain a tour of a drilling rig and operations that was able to pull this from 10,000 feet!
- The project team will provide discussion and specimens of the geologic formations and hydrogeologic characteristics encountered down to 10,000 ft below land surface, geophysical logging, County and USGS seismic acquisition project, and tour and explanation of E-Rig and drilling components. Questions and discussion in the field will be encouraged for one of the largest and valuable infrastructure improvement and environmental projects in the State of Florida utilizing top notch engineers and geologists.
- Field refreshments (water, Gatorade) will be provided. At about 1:00PM, we will break for lunch together as a group. Field drinks and boxed lunches (sandwiches) will be provided. This will be a great time to socialize with members and share information. After lunch the field trip will end.
- For those who choose, there are great outdoor activities in the area that can be considered for interested groups Saturday afternoon:
 - Virginia Key North Point Trails
 - Virginia Key Outdoor Center - Kayaks and Canoes (<https://www.vkoc.net>)
 - Miami Seaquarium
 - Vizcaya Museum & Gardens
- The following link provides an great article describing the nature and scope of this important project to Miami community: <http://www.miamidade.gov/releases/2016-06-17-wascd-completes-exploratory-well.asp>

Trip Registration Instructions - for ALL Attendees - GO to www.segs.org

The cost of this event is \$50 (or \$25 for students). The fee includes Friday night presentation/refreshments, lunch and drinks in the field Saturday, trip guidebook (hardcopy to be provided to all registrants) and geologic handouts. Please access www.segs.org and go to the Events tab. Use the PayPal function to pay for the trip. Trip information and related forms are also on the website. The trip is limited in size, therefore, **register as soon as possible online, attendees will be allowed on a first come first served basis.** Your registration is NOT considered complete until payment is received AND all required forms (on website) are submitted via email to Clint Noble (cnoble@gfnet.com) and Anne Murray (amurray@martin.fl.us). Members will be notified when registration is closed. The following forms are required for registration all on the SEGS website:

1. FAPG-AIPG Liability/indemnity form
2. SEGS liability/indemnity form
3. Registration form
4. Trip Guidelines form review/sign
5. Payment on SEGS website using Paypal.

Note that directions and site pictures are also provided on the SEGS website.

Attendees are responsible for their own lodging accommodations; some more affordable area lodging is listed here for your use - note that SEGS-FAPG has NOT blocked any rooms:

- Fortune House Hotel <http://www.fortunehousehotel.com/>
- Hotel Urbano <http://www.hotelurbanomiami.com/default-en.html>
- Extended Stay <https://www.extendedstayamerica.com/hotels/fl/miami/downtown-brickell-cruise-port->

We look forward to seeing you on this trip! **A very special thanks to Ed Rectenwald, Anne Murray (President of FAPG), and Virginia Walsh for providing planning efforts and coordination to make this event happen!**

Please contact me via cell phone with any questions or concerns.

Regards,

Clint Noble, P.G.
President - Southeastern Geological Society
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