



May 2019

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

Newsletter

Thursday May 16<sup>th</sup>, 2019 Meeting

Guest Speaker

**Topic**

**Why is Applied Geology Important for Nuclear Power Plant Siting?**

**Speaker: Dave Fenster P.G. – AEG President**

Abstract

Nuclear power plants are critical facilities in more ways than one. Initial siting and detailed site characterization require the input of experienced engineering geologists. The U.S. Nuclear Regulatory Commission (NRC) is charged with protecting the health and welfare of the public and the environment. As consultants working for industry, we are charged with obtaining geologic data from the region within which the site is located. We need to obtain even more detailed data from the site and surrounding area. Our careful documentation of geomorphic processes, stratigraphy, geologic and tectonic history, seismicity, the hydrologic setting and groundwater modeling, geologic hazards, and soil and rock properties are essential to providing the NRC with the data they need to make a finding, with reasonable assurance, that the site is suitable for the safe construction and operation of a nuclear power plant. Detailed site investigations are necessary to define in our understanding of uncertainties regarding site characteristics. Ages of faulting in the site vicinity or at the site, the age and extent of karst and the presence of other geologic hazards are key aspects of determining site suitability.

Biography

Dave retired as a general consulting engineering geologist in January 2018 after a 44-year career working primarily for large consulting firms. After starting at the City College of the City University of New York (CUNY) as an engineering major, he was graduated with a BA in History in 1967. He received an MA in history from the University of Illinois in 1968. Dave started taking geology courses at Queens College of CUNY while teaching in the South Bronx. He was awarded a teaching assistantship (Lecturer Part-time) and received a Masters in Geology in 1975. He is a Licensed Professional Geologist (PG) in California; Certified Professional Geologist in Virginia and was previously certified in Indiana and Missouri.

Dave is the current AEG President and we are excited to have him come speak about his work as well as the state of the AEG organization. If you would like to learn more about Dave's background, expertise, and projects, you can find his full biography on the AEG national website.

<https://www.aegweb.org/page/MoreAboutPresident>

## **Contacts & Updates**

To update your mailing information or submit input for this newsletter, contact Jeremy Foote at (617) 851-4447 or e-mail him at [Foote.Jeremy@gmail.com](mailto:Foote.Jeremy@gmail.com).

## **National Newsletter Contributions**

Send Brad Miller Section news items for the national AEG Newsletter. Please contact him at (617) 886-7497 or [bradford.a.miller@gmail.com](mailto:bradford.a.miller@gmail.com). Send him content anytime, and he can help develop/expand on the subject if necessary.

## **News We Can Use?**

If anyone has an announcement or request, they want to get out to the membership, please contact Jeremy Foote at (617) 851-4447 or e-mail him at [Foote.Jeremy@gmail.com](mailto:Foote.Jeremy@gmail.com). We can publish them in our bi-monthly newsletter or send out a special email distribution if the information has to get out on short notice. We are also looking for more contributions to the web site. Have you visited the website lately? [www.aegweb.org](http://www.aegweb.org) and [www.aegne.org](http://www.aegne.org)

## **Newsletter Distribution by E-mail**

If you are not on our e-mail list but would like to be, please e-mail Jeremy at [Foote.Jeremy@gmail.com](mailto:Foote.Jeremy@gmail.com) so we can add your name to our growing list. Please print this newsletter and post it at work for your peers to see or forward it to those you think may be interested.

**Reservations:** Please do your best to phone in or email in ALL reservations the Monday prior to the meeting. We can take a limited number of walk-in attendees; however, for planning purposes, we would prefer that you make a reservation. Payment in advance of the meeting is preferred.

If you are a no-show, we have to bill you for the cost of the meal. To pay in advance please contact Sheila Warren. You can send a check to Sheila Warren at Geocomp Corp. 125 Nagog Park Acton, MA 01720. To make a reservation, call Sheila for reservations by phone at (978) 893-1231 or email her: [SWarren@GeoComp.com](mailto:SWarren@GeoComp.com).

The dinner menu consists of a buffet including vegetarian and a meat dish, vegetables, rolls, salad and desserts.

**Schedule:**

Board of Directors Meeting	5:00-5:30 PM
Social Hour	5:30-6:30 PM
Cash Bar	5:00-7:30 PM
Dinner	6:30-7:30 PM
Talk	7:30-8:30 PM

**Cost:** AEG National Members and Northeast Section Subscribers: \$55  
 Students: \$10

**Directions to Waxy O'Connor's:** Directions – From **I-95 N/S** take exit 31B onto MA-225 W/MA-4N/Bedford St toward Bedford. Turn Left on Hartwell Ave. Waxy O'Connor's is on the **LEFT**.



Name(s)	Email Address	Membership Status:				Amount Enclosed
		National	NE - Section	Student	Non-Member	
<b>Day Phone #:</b>		<b>Total # Attending:</b>				
		<b>Total \$ Amount:</b>				

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