

April 2020
Volume 3, Number 6

NISQUALLY CHAPTER OF THE
ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS

The Official

AEG Nisqually Chapter Newsletter

April Meeting Details

Tuesday, April 7th

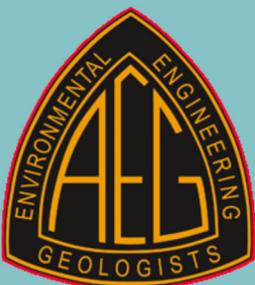
Location: Go To Meeting

6:00 Presentation

Dinner: At your home

FREE for Member or Non-Member

Upcoming Meetings:



Naturally Occurring Asbestos in the United States: Occurrences, Regulations, Mitigation Methods, and Emerging Issues

Asbestos occurs naturally across the United States and around the world within mafic and ultramafic rocks. In preparation for residential, commercial development or K-12 school construction, project sites are often purchased and much of the planning process (architectural and grading plans prepared, structures sited) is completed prior to an assessment of the soils proposed for excavation, on-Site capping or potential off-Site disposal. Geologic maps, while initially helpful for identifying potential hazards such as landslides and earthquake faults, are less helpful in the identification of naturally occurring hazardous minerals, such as the regulated minerals currently classified as asbestos. Depending on the location of your project and type of proposed building, the level of regulation for asbestos in soil and airborne dust can vary. When sampled as an afterthought prior to disposal, property owners are often surprised by the budget-crippling costs of waste handling and disposal of naturally occurring asbestos (NOA), as well as mitigations required to protect the health of construction workers, the public, and future site occupants.

This presentation will discuss what minerals are regulated as asbestos, where they are typically found, sampling and analysis methods, health effects from inhalation, and the varying regulations that apply to construction workers, the public, and waste soil in the United States and around the world. The presentation will additionally discuss some emerging issues relating to efforts to further define worker protection procedures and limit the use of asbestos in consumer products where it occurs as an accessory mineral.

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/937880357>

You can also dial in using your phone.

United States: [+1 \(224\) 501-3412](tel:+12245013412)

Access Code: 937-880-357

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

<https://global.gotomeeting.com/install/937880357>



Bio: Sarah E. Kalika, PG, CAC, CDPH I/A/S

DiabloGeo Environmental Consulting

Professional Geologist (California)

Certified Asbestos Consultant (California)

**Lead in Construction Inspector / Assessor and Supervisor (California
Department of Public Health Childhood Lead Poisoning Prevention Bureau)**

Sarah Kalika has approximately 19 years of experience as a geologist in the environmental consulting industry and a Bachelor of Science in Geological Sciences from the University of California, Santa Barbara. She has performed environmental investigations including Phase I & II property transactions, asbestos and lead surveys for renovations and demolitions, abatement oversight, geologic mapping and sampling for the presence of naturally occurring asbestos, asbestos dust mitigation plan preparation, area air monitoring for asbestos, construction storm water pollution prevention plan preparations and inspections, and health and safety plan preparation. She has successfully managed the investigation, regulatory agency interaction, documentation, and cleanup of many complex, high profile, and confidential development projects, including schools, agricultural redevelopment, commercial and residential properties, highways, and rail corridors.

As a California Certified Asbestos Consultant and Professional Geologist, Ms. Kalika has a unique combination of expertise with applying regulations originally written for asbestos in building materials to construction projects that impact asbestos occurring naturally within rock and soil. Ms. Kalika is skilled in navigating the often-complicated assortment of regulations that apply to asbestos and asbestiform minerals and provides awareness training sessions for workers who will interact with asbestos-containing soil or rock on jobsites

Association Involvement:

- Northern California Regional Director, Association of Environmental & Engineering Geologists (AEG)
- Past Chair, San Francisco Chapter of AEG
- Co-Chair, AEG Naturally Occurring Asbestos Technical Working Group
- Secretary, International Association of Engineering Geology and the Environment (IAEG) Commission 39: Naturally Occurring Asbestos
- Co-Chair, AEG Meetings Advisory Committee
- Co-Chair, AEG 61st Annual Meeting / IAEG 13th Congress in San Francisco 2018
- Co-Organizer of AEG Naturally Occurring Asbestos Symposium: 2012, 2014, 2016, 2018, 2020



Message from the Chair

Coronavirus

We have canceled all of our in person meetings for the time being. Our Jahns Lecturer, Scott Lindvall will try to reschedule for September. The joint meeting with ASCE on April 7th is also canceled. We will try to reschedule both speakers for another joint meeting this fall.

Virtual Meetings starting April 7th

While on an AEG Chapter Support call last week, I heard that Sarah Kalika, Northern California Regional Director has offered to give online talks for the chapter. We have taken her up on the offer and will have our first virtual meeting on April 7th. She will be talking about Naturally Occurring Asbestos (NOA), those of us Western Washington are familiar with the [Swift Creek landslide](#) on Sumas Mountain.

The Department of Ecology recently approved [Swift Creek Action Plan](#) and additional public comment periods are coming this summer. Understanding more about NOA will likely open our eyes to this and other NOA issues in Washington.

If you have ideas of future virtual meetings, let us know. We would love to stay connected as a community of geologists and we should continue learning about applied geology—let's keep sharing and learning.

AEG National Meeting

The show must go on...the national meeting in Portland this September is still on track. Abstracts are being accepted now. <https://www.aegannualmeeting.org/>

Stay well and we I look forward to seeing you all in person someday soon.

Rock on,

Trevor

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The AEG Nisqually Chapter Newsletter

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. AEG is the acknowledged international leader in environmental and engineering geology, and is greatly respected for its stewardship of the profession.

AEG NISQUALLY CHAPTER NEWSLETTER is published monthly from September through April. Subscriptions are for members of AEG affiliated with the Nisqually Chapter or other Chapters, and other interested people. E-mail subscriptions are free.

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