

Purple Air Monitors can give you much information about air quality in your area!



*.....keeping watch on
the industry*

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Picture: The SSS mine in the Town of Auburn, Chippewa County, is awaiting reclamation. It has sat unattended for well over one year.

Whenever Frac Sand Mines sit idle or are awaiting reclamation...or if workers are employed and mining is being done, respirable crystalline silica particulates are part of the pollutants carried in the air. Occupants of residences need to be alert to air quality readings not only when mines are exposed to the elements, but when other factors enter the scene. For instance, during the time heavy fires were burning out of control in northern and western Canadian Provinces and in California and western states, air pollutants were carried as part of air quality patterns to Wisconsin. During several weeks, Purple Air Monitors were busy collecting data on a minute by minute basis and showing the air quality readings of great concern in the various areas around Wisconsin as well as in other states throughout the nation. You can check out current air quality readings at purpleair.com at this moment to view the various air monitors in the Mid-West or even at your nearest location in Wisconsin. Dr. Crispin Pierce, Department of Health and Environmental Studies from the University of Wisconsin-Eau Claire and his interns have been busy installing Purple Air Monitors in areas around frac sand mines, and it has been of great interest to view air quality patterns as air quality changes or as weather patterns demonstrate change also. Other pieces of equipment are also being installed at some locations including various weather

station components which can measure wind speed, humidity, or temperature at any given time.

The scientists at UW-EC are looking for public places where installation can be made so the public has an opportunity to view air quality in real time. Public libraries are eligible for this opportunity. Recently a monitor was installed at the Public Library in Augusta, WI. An hour long program was livestreamed and the public had the opportunity to ask questions and to view results in real time. Since the program was recorded, you have the opportunity to also view it. Various library and science trained personnel have had the opportunity to improve the delivery due to the fact this was the first live streaming event held from the library, but hopefully you will be able to get a glimpse into data being collected for study and analysis for developing more scientific advancements regarding air quality issues.

Click on the link below to view the program held at the library:

<https://cvpost.org/uwec-research-team-analyzes-frac-sand-minings-possible-effects-on-health/>

Please direct any questions you might have to Dr. Crispin Pierce at 715-836-5589. If you live near a

frac sand mine, processing plant or rail load out station, you may be eligible for a free installation of a Purple Air Monitor which is available through grant funds for this purpose. The department is looking for public locations, and if you have a library or a school near-by you, you might like to ask personnel if they would be willing to cooperate with an installation, not only for the patrons of the library or school, but for general citizen information available to the public on the website.

Enjoy the fall colors, and be sure to check out your purple air monitor if you already have one installed on your property. We are looking for citizen scientists interested in finding out more about the science of air quality measurement and also teaching children to value clean air and surroundings for good health practices.

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Welcome to the Frac Sand Sentinel, a newsletter highlighting resource links, news media accounts, blog posts, correspondence, observations and opinions gathered regarding local actions on, and impacts of, the developing frac sand mining and processing industries.

The content of this newsletter is for informational purposes only. The editor of the Frac Sand Sentinel does not accept any responsibility or liability for the use or misuse of the content of this newsletter or reliance by any persons on the newsletters contents.

CHECK OUT THE WEBSITE: wisair.wordpress.com and for additional information, [click here](#) for panoramic aerial views of frac sand mines, processing plants, and trans-load facilities. FracTracker.org is also an excellent source of information.