

Su Libby

Late in the evening, air currents often move toward Green Valley and Sahuarita.

These currents will push toxic dust particles toward hundreds of homes and public schools such as Copper Ridge Elementary (1 ¼ miles from Copper World property) and Corona Foothills Middle School (3 miles from Copper World). And as Tucsonans know, wind can gust with great force in almost any direction when monsoons roll in from the south or east.

How this information was gathered: Collecting data on wind direction can be done on websites like the Weather Underground's, "Tucson AZ Weather History." An analysis of this readily-available data for 2022, 2023 and 2024, collected twice every morning (6 and 9 am), at noon, and twice every evening (6 pm and 9 pm) reveals that early in the morning air currents in Tucson move from a northerly direction to southerly, and around noon the currents turn around and often move from south to north. In the early evening, wind often comes from the south or east, and late in the evening from east to west.

Primary source: Weather Underground, "Tucson AZ Weather History" on Tucson, AZ Weather History | Weather Underground (wunderground.com), July, 2024, Copyright TWC Product and Technology LLC.

In addition: Anyone who has looked from Green Valley or Vail toward the unpaved Santa Rita Road has seen clouds of dust drifting east, west and north – produced by vehicles driving along the road. This is easily-observable dust, but the proposed open pit mining operation will also produce what are called PM2.5 particles that are almost invisible - many times smaller than the diameter of a human hair.

All mine operations around the world do this, and Copper World admits they, too, will produce this kind of dust. But Copper World wants the State of Arizona to believe that they will control 99% of its emissions by constructing enclosures, dust collectors, scrubbers, fogging spray devices and other gadgets.

Only one of the reasons that This Foreign Owned Mining Conglomerate Must not be granted a Class II Permit, but must at the very least only be eligible for a Class I Permit.