

Who, in 50-100 years, is going to explain to their children and grandchildren why immediate action was not taken to combat the climate issues we face today?



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

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**Open frac sand
mines not being
watered put even
more particulates
in the air around
us, creating air
pollution.**

**Steve Hogseth, a
retired but totally talented writer, researcher, math,
science and technology guy, lives in Menomonie, WI.
He has researched the climate issues we have faced,
are facing currently, and will face in the future. He has
written extensively about the frac sand mining industry
and permitting now being explored in Kanab, Utah
where he once lived. Read his moving statements.**

Friends,

**Looking at *atmospheric CO2 projections* for our
common home ... Planet Earth, it is all-but-certain
neither you nor I, nor our children, nor our**

grandchildren, nor greats, nor great-greats, will ever see CO2 at this “low” level again, a level that is now 113 points higher than when my four grandparents were raising their children in 1900 (295ppm); then around 1910, CO2 surpassed a level (300ppm) that had never been attained in the previous 800,000 years.

Here’s our CO2 snapshot of

the past two years,

The past 61 years.

The past 319 years.

The past 800,000 years.

We are experiencing an exponentially foreboding array of climate challenges!

Our nation’s leaders have known this was a serious issue for decades, yet they yawned ...

Now a critically deeper issue this current decade ... still apathetic yawns ...

Moneyed politicians in empty suits have put us squarely between a rock and a hard place ...

Unashamedly displaying their ignorance ...

Like lemmings we follow ... and re-elect them ...

With this man-induced crisis our planet continues to become warmer and warmer ...

Our oceans are becoming more acidic ...

Coral reefs dying

Fish-stocks dwindling ...

Warmer air retains more moisture ...

For longer periods ...

Proliferating more drought

And amplifying flooding ...

Topsoil is eroding by tens of billions of tons each year ...

A triple whammy ...

Clearly, these events are detrimental to agriculture ...

Less food for humanity ...

Now increasing by 85 million people each year ...

More hunger and famine ...

Insects thrive ... bringing more disease ...

Nearly one acre of forests is lost every second ...

Simultaneously depleting oxygen while increasing CO2 ...

**Warmer oceans and air bolster climate energy ...
Equivalent to one Hiroshima bomb per second over the
past 150 years ...**

Rising climatic energy absolutely intensifies storms ...

Magnifying financial (property) ruination ...

Our polar ice melt is well known ...

Today six times faster than in the 1980s ...

Now at a rate of seven Niagara Falls ...

Continually filling ever-rising seas ...

**Imposing societal displacement pressure on 40 percent
of the world's population ...**

**Inescapably, the other 60 percent will feel ramified
consequences ...**

Earth's complex ecological network is more stressed ...

Humanity, wildlife, forests, plants, seas, air, land ...

These are a few of the mounting consequences ...

Someday CO2 will return to today's 2019 level, perhaps

in a couple centuries, long after today's intensifying bedlam has subsided, likely with billions less people, and a necessary societal paradigm shift will have unfolded. Future generations of painful healing will have occurred, and a 'new normalcy' (hopefully with sane leadership) established; then we can continue as we might have, had we listened/acted "when we should have."

Atmospheric CO2 today (mid October) is at the low point for 2019, roughly 408ppm; a year earlier the low point was around 406ppm. In mid-May (the annual high point) of 2019 was 415ppm; next May it will be around 418ppm. A half a century ago, CO2 was already rampantly increasing, then at a rate of roughly 0.8ppm annually; today's rate of increase is around 2.5ppm annually; unchecked, with each decade the rate will increase even more. Extrapolating the math, at our current pace, in 30 years CO2 will surpass 500ppm. Compared to pre-industrial revolution years, the CO2 level today is increasing 125 times faster than at any time during those previous 800,000 years!!! For those who defensively echo "the climate is always changing" mantra ... to a tiny degree there is a smidgen of truth in those words, but not by 125 times?!!! Like the clueless frog in the warming kettle on the stove, too many people refuse to admit we're slowly simmering toward "boiling." It seems those in denial would rather count money.

Mother Nature does not give a rat's behind about political pomp, nor the stock market, nor you and me. She simply reacts to what she encounters, including

man blowing roughly 1,000 gigatons of carbon in her face over the past two centuries. She has survived five mass extinctions over the past half-billion years, and she can survive five more. As the dinosaurs, the mastodons, and the saber-toothed tiger, they come and they go; sooner or later, so will we. But why do we allow an accelerating threat to our own well-being, especially when we have the wherewithal to fix the problem? Why do so many seem OK with riding along on this “125 times faster track,” smugly dismissing it as “always changing”?

All this is daunting ...

It is real ...

It is not alarmist ...

It is raw fact ...

Still there is hope ...

But it is waning with each year we twiddle our thumbs

...

We must listen to the world’s scientists ...

Unify to mitigate the upheaval we are facing ...

And take BOLD ACTION!

With urgency!

Together we have the power to pull the reins on fossil fuels.

And promote renewable energies.

It’s time to stop this asinine apathy!

Whereas many of you reading this are near my age, we won’t be here when the s* hits the fan ...**

But our grandkids will ... dealing with the mess we created ...

**In 2050, what will your grandchildren tell *their children*
... about you?**

**For those of you on the wagon of denial, I believe your
gut knows the truth.**

My Best!
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**“The Earth does not belong to man; Man belongs to the Earth
... All things
are connected. ... Man did not weave the web of life, he is
merely a strand in
it. Whatever he does to the web, he does to himself.”... Chief
Seattle (1786 – 1866)**

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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.

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CHECK OUT THE WEBSITE: CCC-WIS.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.