From: <u>tom mora</u>
To: <u>SENR Exhibits</u>

**Date:** Monday, January 27, 2020 8:06:20 PM

Couldn't find good pictures. This is an example of a desulfurization to help eliminate sulfur dioxide and other ones to eliminate carbon dioxide and more. I am not gonna go into much details just too much to write. Second picture is a wet scrubber FGD. Sulfur dioxide gas must be neutralize, they use a alkaline base substance to bring pH level to 7 using lime or limestone. By doing this, it will help reduce, and eliminate toxic fumes from being discharged on top of tower ceiling. This system uses like 100 degrees celcius which is about 300 degrees Fahrenheit. In the bottom will have a alkaline based slurry limestone, slurry mix with water, and ground it up.

Nitrogen dioxide and sulfur dioxide causes all kinds of health problems especially in the human lungs if inhaled. These 2 can cause dangerous acid rain released from green house emissions from Mills. Especially do damage to someone's eye vision and probably cause anyone to go blind if gets inside retinal tissue area.

Nitrogen dioxide is the worse pollutant in the world affecting oceans because it causes harmful algae blooms and eutrophication. Negative impact of of eutrophication and increased algae growth is a loss of oxygen known as anoxia. These anoxic conditions can kill fishes and other aquatic species and aquatic organisms. Some fertilizers including pesticides contain this active ingredient as well that can run off to rivers and oceans polluting it. I noticed she is trying to worry the people alot more about the environment and how it's affecting the crab industry in the ocean. Carbon dioxide is not good either but this cause by nitrogen dioxide mostly. Guessing it's her way to push this new Cap and Trade policy by legislation.

I spoken to Oregon climate change research institute. They don't know too much about pesticides that can have alot to do with the environment and don't know to much about desulfurization, and green house emissions. They are knowledgeable on the ocean, water, and some knowledge on the air environment.

If our governor knows nothing about desulfurization, pesticides, and green house emissions. Than our governor has no clue to really solve climate change issues. Except tax people alot more to the point we are probably gonna be put out into the streets homeless. Every decision our governor made has been nothing but a disaster for everyone. I really haven't noticed anything she has done to help the people and the environment. She is only making matters worse. Not to mention we had 3 different raw sewage spills already last year from broken pipelines that spilled into Willamette River. Funds has been cut for proper inspections of these older sewer pipelines for projects like this i5 project, and these other useless things. And again many of our water treatment plants don't have the funds to install a reverse osmosis system to keep these raw sewage in rivers from getting into our tap water in residential houses and commercial buildings. They said they taken care of that problem by cleaning up all the sewage mess in the Willamette river which is false.

Again if our governor does not know anything about pesticides, the environment, or whatever than they don't need to go any further with our governor's decisions on that Cap and Trade policy. This means she has no right to lead the way in climate change at all. Also mentioned that i5 CRC bridge project, to let everyone know the damages to the environment on that project. Especially how it won't really help traffic congestion and how bridge gonna collapse is false. Only if you want too.

- ullet Nitrous oxide  $(N_2O)$  primary greenhouse gas
- ullet Carbon dioxide  $(CO_2)$  primary greenhouse gas
- ullet Methane  $(CH_4)$  primary greenhouse gas, explosive
- Nitrogen monoxide (NO) secondary greenhouse gas, toxic
- ullet Nitrogen dioxide  $(NO_2)$  secondary greenhouse gas, toxic
- ullet Sulfur dioxide  $(SO_2)$  secondary greenhouse gas, toxic
- ullet Carbon monoxide (CO) secondary greenhouse gas, toxic

