

**From** [REDACTED]  
**Sent:** Tuesday, August 29, 2023 9:37 AM  
**To:** PUC-PUC <[PUC@state.sd.us](mailto:PUC@state.sd.us)>  
**Subject:** Fw: [EXT] PUC Docket # HP22-001 SCS carbon CO2 pipeline- public comments

Pertaining to Docket #HP22-001 SCS CO2 Pipeline: Public Comments

Dear Commissioners:

I am Very Opposed to the CO2 pipeline.

The Sequestration and Burial of CO2 poses a possible great harm to the world's Atmospheric levels of Oxygen, If done on a Large Scale.

Carbon Dioxide -CO2 is one part carbon and two parts Oxygen.  
CO2 is 72.7% Oxygen by mass.- So the Majority of what is buried is Oxygen.

So, the continual burial of CO2 would result in the continual disappearance of Oxygen from the worlds Atmosphere.

An analogy would be if person would be in a small airtight room with a candle burning to produce CO2 with a

car tire and a tire pump that only filters the CO2 from the room to compress it into the tire.--

This Process would also cause a decrease in the rooms air pressure and the creation of a partial Vacuum.

Eventually there would be no CO2 in the room, nor would there be any Oxygen left in the room but only 99% pure Nitrogen and 1% Argon. -

So, I Hope you can understand the analogy of how the Sequestration or burial of CO2 in deep

rock layers would cause a slow removal of the Earth's Atmospheric levels of Oxygen.

Also, the injection -pressure pumping of Atmospheric gases into deep rock layers would act as a slow

Vacuum upon the worlds Atmosphere and reducing Atmospheric pressure-

Because of the reduced Oxygen levels and reduced Atmospheric pressures, People living at High Altitudes may Experience

Breathing Difficulties.

Please do not approve - There are too many unknown Risks associated with the project.

Thank You.

Walter Theis

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