

From: [REDACTED]
Sent: Monday, March 17, 2025 8:00 AM
To: PUC-PUC <PUC@state.sd.us>
Subject: [EXT] 17Mar25 General question and concern

Monday March 17, 2025

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General question, NO need to put into Comments and Responses.

I have no intentions of being rude or insulting, but has the Public Utilities Commission done all it's due diligence in researching this Waste CO2 pipeline? Has the dangerous nature of this pipeline been considered in the decision making process? I assume it has, but I am very concerned.

On your smart phone or computer do a search of "What is CO2 pipeline and sequestration". I have been pretty naive and caught up in my Landowner Rights. When searching and reading the above, I am horrified on how dangerous this pipeline is.

Please, I hope I'm not insulting the P.U.C Commissioners, Researchers, and Lawyers. The more I learn about this Waste CO2 and pipeline project, this is very disturbing.

Until recently, listening to the Legislative debates on Public Broadcast System, it got me thinking about what one Legislator said, paraphrasing, "it's just like any other 4 feet buried pipe and you can just Farm over it". The Public needs to know; This Pipeline is like no other! A SILENT KILLER. Why isn't this being considered a Weapon of Mass Destruction with purposed routes near Towns, Communities, Schools?

Definition of W.M.D. - Chemical, biological, radiological, or nuclear weapon capable of a high order of destruction or

causing mass casualties....

I am no expert, but I can read, try to stay informed and trained by the Army, so here goes my very very small synopsis (Cliff Notes, will you) of this mind boggling, waste of Taxpayer's money, pipeline boondoggle.

Go ugly early;

A person is going to die if caught up in a corroded through pipeline rupture. No one will save you, no First Responder, no Firefighter, no Law enforcement officer, no Doctor, you will be killed or have brain damage the rest of your life.

The bottom line;

This sequestration does very little to save the atmosphere. Stopping oil production is the only thing that will save the atmosphere. Not a climate change solution.

This dangerous acidic corrosive liquified waste CO₂ under this very high pressure transport system is more dangerous and destructive than a ruptured water pipeline, ruptured gas line, cut electrical line, or fallen wind turbine generator.

Storage

MIT (Massachusetts Institute of Technology) CO₂ capture. Underground Geography has to be correct. Cavity is required detailed geologic tests, careful monitoring once it's stored, and testing for leakage back into atmosphere and aquifers.

There is no guarantee that Waste CO₂ will be contained. No guarantee in a 1000 years captured Waste CO₂ will become inert.

Oceans, forests, grasslands, farms through photosynthesis already continually do sequestration and absorb up to 25% of CO₂. Appears less than < 1% of this pipeline process might help the atmosphere.

Delivery

Pipe construction (various sources) design standards have to differ from those of oil, gas, and water. Current regulations are weak.

Water turns CO₂ into carbonic acid that rapidly corrodes steel pipe.

Different than other pipes; seals, corrosion, withstand

psi greater than > 1300 - 2100, more prone to leaks and ruptures. Just think about how many water main breaks our cities/towns have in a month/year.

MSDS

(various Material Safety Data Sheets)

Carbon Dioxide, CO₂. Gas, colorless, odorless.

Take NO rescue action unless trained, special clothing, SUBA.

Simple asphyxiant (no Oxygen O₂ to the body), toxic, burns caused by minus 125°F vapor, water turns CO₂ into carbonic acid.

Death through asphyxiation. CO₂ is 1.5 times heavier than air.

A silent killer!

Midnight in the Garden of Good and Evil.

August 1986 Rupture: Lake Nyos, Cameroon

1746 humans killed, 3500 livestock killed.

February 2020 Rupture: Satartia, Yazoo County, Mississippi.

292 in the community evacuated.

I am a Farm Landowner and Army Veteran of 23 years service, have not forgotten most of my military training, with the wisdom of two Deployments. Third Generation Landowner.

Please calm my deepest fears that the P.U.C. is considering everything about this controversial issue.

Looking forward to your reply. Please I am not looking for an extravagant Email answer, just a comment that all is being looked at. Also, please use as a reference if needed. I may post this down the road with my others in your "Comments and Responses".

To the Commissioners of the Public Utilities Commission, thank you for listening to Constituents, your due diligence, upholding the Law, and your time.