

Highly pressurized semi-liquid CO₂ is an explosive asphyxiant and I believe that when a rupture occurs it will seriously injure the health and welfare of the people, wildlife and livestock within a wide vicinity of the break in the pipeline. Accurate Plume Studies have not been presented to the public to change this fact. We live within 1/2 mile of the proposed pipeline.

This pipeline is proposed to run through Battle Creek in our neighborhood in an active floodplain across shallow aquifer land. This area floods annually. I believe erosion and flood debris have the potential to expose this pipeline, damaging it and resulting in a pipeline break, thus posing a serious threat of injury to the environment, as well as, the health, safety and welfare of the people, wildlife and livestock in our neighborhood.

Summit's proposed pipeline crosses many wetlands, shallow aquifer, active floodplain and wellhead protection sites along their route in Lake County alone. Eastern South Dakota is prairie pothole land. I believe this pipeline containing millions of gallons of caustic liquid carbon dioxide poses a serious environmental threat to these vulnerable areas and our adjoining aquifer.

Billions of gallons of water are used each year for ethanol production in this state. Carbon capture plants will demand an additional 20% more, based on the recent Water Permit granted to the Dakota Ethanol Plant near Wentworth, SD in our county. I believe multiplying that by the 57 ethanol plants planned along the pipeline route in our 5 state region will cause a serious drain on our aquifers. I don't believe Summit has the right to abuse our public water resource for their financial gain.

I don't believe our First Responders will be able to reach impacted individuals in the event of a rupture. Even if Summit says they will train and outfit First Responders, I don't believe that service will continue. First Responders come and go, special equipment must be fitted, refitted and purchased regularly. Combustion engines will not run in a high CO₂ environment. The annual expense to continually outfit our Lake County First Responders with the personal safety equipment, emergency vehicles, etc. will be too great for our county's budget. Our emergency personnel already admit they will be forced to stand by during a rupture and do nothing, thus impacting the number of individuals wanting to volunteer to be First Responders. I believe this pipeline will require emergency response equipment and paid personnel beyond our county's economic ability to comply.

Summit Carbon Solutions has already threatened eminent domain to force their way onto peoples land to survey and demand an easement. I don't believe they will comply with applicable local ordinances and regulations or even Legislative or SD Supreme Court Law. They will attempt to force their will through the courts resulting in major personal financial loss to individuals and millions in state tax dollars spent defending our right to protect our life and land in South Dakota.

Given this pipelines' threat of serious injury to the health and welfare of our people, wildlife, livestock and the environment, as well as the devastating economic drain on

individuals and local governments, I don't believe South Dakota's PUC should grant a permit for a carbon dioxide pipeline to Summit Carbon Solutions.