



FREQUENTLY ASKED QUESTIONS:



How does the Summit Carbon Solutions Project work?

By capturing CO₂ from the ethanol plants and transporting it via pipeline to North Dakota where it will be safely and permanently sequestered.

What is the benefit of this project to the ethanol plants?

The Summit Carbon Solutions project will allow ethanol producers to sell their product in the growing number of markets that pay more for low carbon fuels.

Why does lowering carbon intensity scores at ethanol plants matter?

The ability to sell into low carbon fuel markets is critical to maintain the viability of the ethanol long-term, protecting tens of thousands of jobs and strengthening an industry that purchases half of all the corn grown in the U.S.

What happens if the easement is sold to another entity?

Easement rights are acquired with the land and are not impacted by future changes in ownership. Please see language directly from easement Assignment Clause: "The Pipeline Easement and Access Easement shall be permanent, and the Easements and provisions of this Agreement, including all benefits and burdens, shall run with the land."

Who is liable if there is damage to the pipeline?

Summit Carbon Solutions holds landowner harmless in almost all circumstances. Please see language directly from easement indemnification clause:

"Company agrees to indemnify and hold Landowner harmless from and against any claim or liability or loss from personal injury or property damage resulting from or arising out of the use of the Easements by Company, its servants, agents or invitees, excepting, however, such claims, liabilities or damages as may be due to or caused by the acts of Landowner, or its servants, agents or invitees."

SAFETY INFORMATION



100% of the pipeline welds are inspected throughout using industry accepted testing methods, such as X-ray or ultrasound to ensure integrity, after which the welds are coated.



The pipeline is then hydrostatically tested, which involves filling the pipe with fresh water and pressuring it up to 125% or more of the maximum operating pressure, thereby ensuring the integrity of the pipe.



Block Valves are placed throughout the project line with a maximum distance of no more than 20 miles apart. These block valves will automatically shut if there is any degree of pressure or temperature change in the pipeline. These block valves are placed more frequently around high population areas and large waterways.



The pipeline will be monitored 24/7 by employees of Summit Carbon Solutions at the home office in Ames, Iowa



Summit Carbon Solutions will employ a large number of specialists to live and work locally to maintain the project line.



Summit Carbon Solutions has staff dedicated to working with and training emergency responders in each county. These staff have extensive background in emergency management and will provide multiple trainings and workshops to prepare county emergency response for any unlikely breach in the pipeline.

SUMMIT CARBON SOLUTIONS WILL BE A GOOD STEWARD OF THE LAND:

- SCS will be good stewards of the land across our entire project area. Summit Carbon Solutions will protect and restore lands, topsoil, drain tiles, drainage systems, and more to their preconstruction levels.
- The average weight of construction equipment necessary for installing 6-inch diameter pipe is typically 40% to 80% less than the weight of equipment necessary for installing 36-inch diameter pipe.
- 240% crop damages paid up front.
- Soil disturbance will also decrease with decreasing pipe diameter.
- SCS will warranty drain tile in perpetuity. Landowner has the option to use their preferred contractor or to use SCS's contractor.
- Each county will hire an ag inspector who will have authority to stop work in the interest of keeping the land in the best condition possible.





SUMMIT
CARBON
SOLUTIONS

Support For Summit Carbon Solutions Project

News Article Excerpts: Support for the Project

KX SPOKE WITH A NON-OPPOSED NORTH DAKOTA LANDOWNER AFFECTED BY THE SUMMIT CARBON SOLUTIONS PROJECT (KXNET.COM)

"I'm not worried about the pipe, but there's pipelines all across North Dakota. In the United States, there's over several thousand miles of CO₂ pipelines and other pipelines. In Mercer County, there's a pipeline that's been in operation with CO₂ going to Canada for 20-plus years underneath Lake Sakakawea, and that's been safe. No issues there. So, I don't personally have a concern with it,"

- Kessler



IOWA LANDOWNER SAYS HE WASN'T PRESSURED IN CARBON PIPELINE DEAL (KTIV.COM)

Jeff Dorr lives in Marcus, Iowa, and he's already signed up to have one of the pipelines underneath his farm. He says Summit Carbon Solutions, one of the pipeline companies, addressed all of his concerns about safety. "No, actually, I didn't feel any pressure. And like I said, earlier, I actively had to engage them. So, you know, they were a little more hands-off, in my opinion."

- Jeff Dorr

GUEST COLUMN: CARBON SEQUESTRATION TECHNOLOGY PROVIDES OPPORTUNITY FOR IOWA | LOCAL NEWS | NONPAREILONLINE.COM

"Over the past two decades, I've seen firsthand the struggles facing rural communities as they fight decline in both population and tax base. Carbon sequestration technology is offering the state and the rural communities one way to address these struggles, while helping Iowa corn growers to maintain current corn markets and generate many new markets as well."



- Ray Gaesser Iowa Conservative Energy Forum Chair

DORR: WHY I SIGNED EASEMENT ALLOWING CARBON - CAPTURE PIPELINE | OPINION | NWESTIOWA.COM

"I have spoken extensively to Summit Carbon Solutions' land agents and engineering team about how they will approach construction of this project. I am confident they respect my property and will follow through on their promises to restore my land to its original condition."

"Throughout this process [negotiating a voluntary easement], Summit Carbon Solutions has provided detailed information to address my questions and has always interacted with me in a cordial and respectful manner. Virtually every element of this process is negotiable, just as the company promised it would be."



- Thomas Dorr

HELP US PUT ETHANOL, AGRICULTURE AND OUR COMMUNITIES IN A POSITION FOR ECONOMIC PROSPERITY | NEWS, SPORTS, JOBS - MESSENGER NEWS

"I understand that some skeptics question if this is the best strategy to pursue. I would ask you to think about the future of agriculture and ethanol in Iowa. Both private sector companies and governments around the world will continue to prioritize decarbonization. Other states and communities will embrace this opportunity and reap the benefits of these changing markets. If we are left behind, I fear that it will become harder and harder to remain competitive."

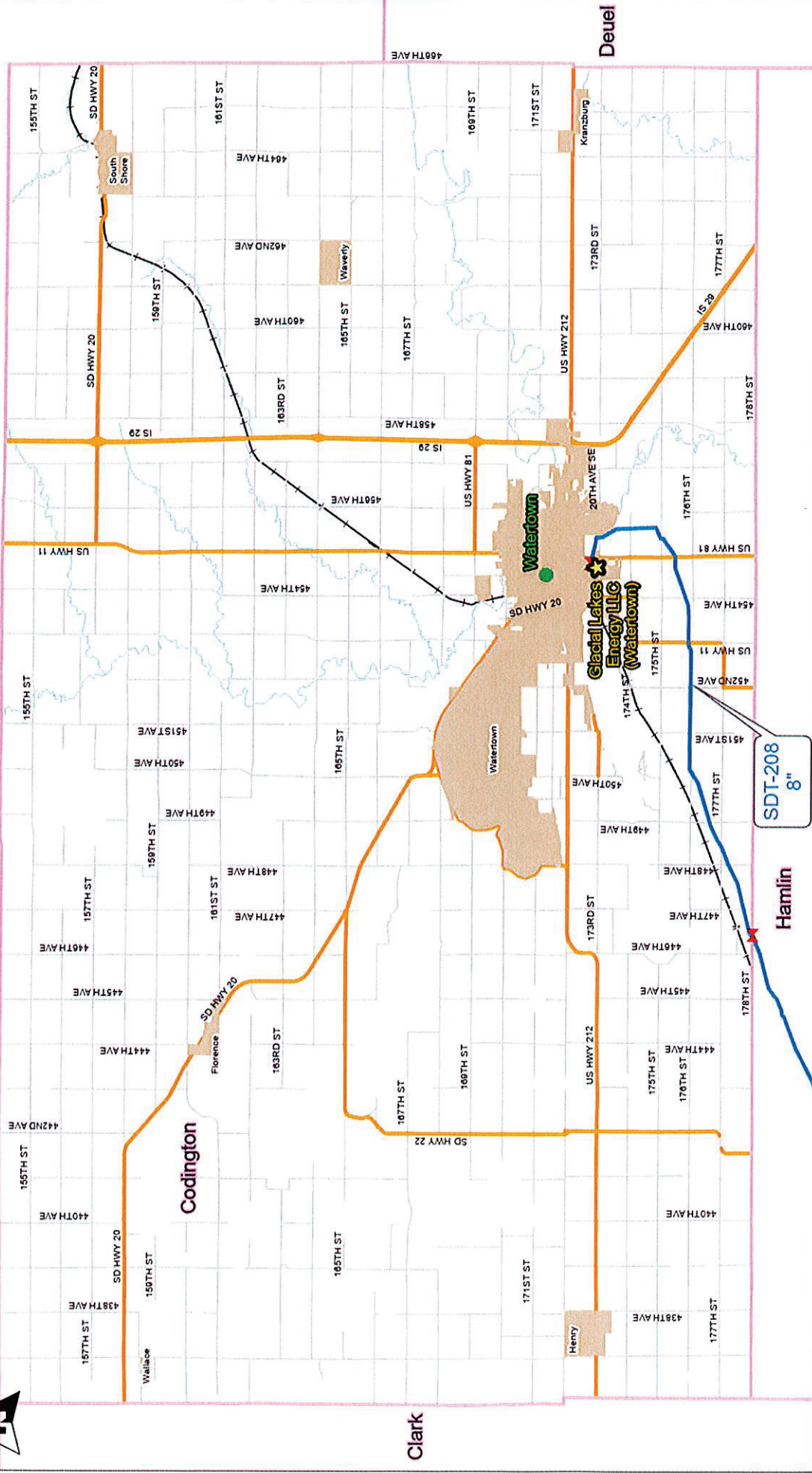
- Chris Boshart, General Manager of Corn LP



Grant

South Dakota

Day



Clark

Deuel

- Participating Ethanol Plant
- County Seat
- Mainline Valve
- Pump Station
- Highly Populated Areas
- State Boundary
- County Boundary

- Route
- Primary Road
- Secondary Road
- Local Road
- Railroad
- River

12.74 MILES OF ANTICIPATED PIPELINE CODINGTON COUNTY SOUTH DAKOTA

Pipeline centerline is based on 11/28/2022 route.

Codington County South Dakota Pipeline Mileage Overview			
COUNTY:	CODINGTON	SHAPE BY:	CC
STATE:	SOUTH DAKOTA	CAD/CADD BY:	
REV. NO.	0	DATE OF REVIEW	2022-09-28
PRELIMINARY ROUTE SUBJECT TO CHANGE			
DATE:	11/28/2022	PROJECT:	NAD 83





SOUTH DAKOTA

Voluntary Easement Miles Acquired

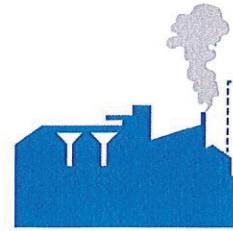
- Over 247 miles now signed
- Over 415 landowners have signed, equating more than 668 agreements executed

OVER
247
miles

Construction Anticipated Start Date: **August 2023**



- A gas in atmospheric conditions.
- A dense phase deep underground or in a pipeline. A dense phase has the viscosity of a gas but a density closer to that of a liquid.
- Nonexplosive and noncombustible.
- Dispersed as a gas when introduced to conditions outside the pipeline.
- CO₂ pipelines have an excellent safety record exceeding pipelines that carry other materials.
- Transported at ambient temperature that does not affect the surrounding soil.

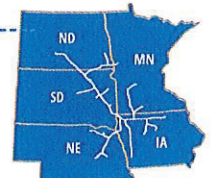


Investors

- Ethanol Plant Partners
- John Deere
- Continental Resources
- Tiger Infrastructure
- TPG Rise Climate
- Summit Agricultural Group

Partners

- 32 ethanol plants across 5 states (Nebraska, Iowa, Minnesota, North Dakota, South Dakota)
- Minnkota Power Cooperative (CO₂ storage) giving Summit Carbon Solution access to the largest of only three permitted CO₂ storage sites in the United States.



Pipeline Transport Is Critical to Carbon Capture & Storage

Transporting carbon dioxide by pipeline is the safest method for the large volumes of CO₂ that will be captured and permanently stored. With more than 5,000 miles of infrastructure currently operating in the United States, carbon dioxide pipelines have an excellent safety record.

Carbon capture and storage utilizes longstanding technology that is safe for landowners and communities.

- CO₂ capture is already deployed at more than 40 ethanol plants.
- There are 5,000 miles of existing CO₂ pipelines in the United States regulated by the Department of Transportation (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA).
- Captured CO₂ is permanently and safely stored deep underground based on EPA standards.

Pipelines Are Highly Regulated

Stringent requirements for the safe design, construction, and operation of CO₂ pipelines have been established by the DOT PHMSA. Additionally, constructing the Summit Carbon Solutions system requires permits from the following entities:

- | | |
|--|---|
| State: | Federal: |
| • South Dakota Public Utilities Commission | • United States Army Corps of Engineers |
| | • United States Fish and Wildlife |

Summit Carbon Solutions is working with landowners, community leaders, stakeholders, and more with respect, honesty, and transparency to obtain the necessary rights from the landowners for any proposed temporary and permanent easements.

Summit Carbon Solution's Pipeline is Overbuilt for Safety

Summit Carbon Solutions' pipeline will be built beyond federal specifications in these ways:

- PHMSA - 195.248 Pipeline Location - requires 3ft depth below ground level. Summit Carbon Solutions will be at 4ft minimum depth.
- PHMSA - 195.210 Pipeline Location - requires 50ft setback from all dwellings. Summit Carbon Solutions is designing the pipeline that far exceeds the minimum setback.
- PHMSA - 195.250 Clearance Between Pipe and Underground Structures - Any new pipe must be at least 12" away from any other underground pipe or structure. Summit Carbon Solutions' best practice is 24".
- PHMSA 49 CFR Part 195 defines minimum requirements like the spacing between block valves, which is no more than 20 miles apart and in some cases less for Summit Carbon Solutions' pipeline.

Summit Carbon Solutions will employ a computer based, computational leak detection system that continuously monitors the operation of the pipeline from a manned control center. Similar leak detection systems are currently being utilized in the operation of numerous pipelines across the United States. Data will be continuously collected from pressure sensors, flowmeters, and temperature sensors installed along the pipeline and used to identify abnormal operating conditions. In the unlikely event of a leak, the system will provide information necessary to locate the leak, isolate the pipeline segment, and mitigate risk.

Community Investment

Summit Carbon Solutions is looking to invest and volunteer in local communities. If there is somewhere we can invest in your community, please contact Kaylee Langrell 501-581-3348 or Kaylee.langrell@tkl360.com

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