

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF SOUTH DAKOTA**

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IN THE MATTER OF THE APPLICATION  
OF SCS CARBON TRANSPORT LLC FOR  
AN ENERGY FACILITY PERMIT TO  
CONSTRUCT THE SUMMIT CARBON  
SOLUTIONS PIPELINE

DOCKET NO. HP22-001

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**DIRECT TESTIMONY OF  
JAMES POWELL**

**ON BEHALF OF**

**SCS CARBON TRANSPORT LLC**

**SCS CARBON TRANSPORT LLC EXHIBIT #**

November 1, 2022

EXHIBIT A-25

**Q. Please state your name, present position, and business address.**

A. My name is James Powell and I'm the Chief Operating Officer for Summit Carbon Solutions ("Summit"), parent company of the Applicant, SCS Carbon Transport LLC, in this proceeding. Both companies and my office are located at 2321 North Loop Drive, Suite 221, Ames, Iowa 50010.

**Q. Please describe your educational and professional background.**

A. I received a Bachelor of Science in Engineering from Oklahoma State University. My professional experience has predominantly focused on the design, construction, and operation of energy related infrastructure projects both in the U.S. and internationally.

Prior to Summit Carbon Solutions, I worked for Kinder Morgan where I served as both Vice President (VP) of Projects and Engineering, and VP of Operations. As VP of Projects and Engineering, my responsibilities included the development and execution of capital projects from concept to operation. As VP of Operations, my responsibilities included the safe and reliable operation of Kinder Morgan's liquid pipeline network (~10,000 miles) and associated facilities throughout the continental U.S. and southern Canada.

Prior to Kinder Morgan, I worked for Hiland Partners where I served as Executive VP (EVP) and Chief Operating Officer (COO). As EVP and COO, my responsibilities included leading the projects, engineering, and operations organizations to execute capital projects and ensure the safe and reliable operation of Hiland's energy infrastructure assets.

Prior to Hiland Partners, I worked for BP in various project management roles leading the execution of major capital projects in the continental U.S., Alaska, Brazil, and the Middle East.

**Q. Please describe your duties with Summit Carbon.**

A. For Summit Carbon Solutions, I'm responsible for the technical development, execution, commissioning, and start-up of Summit's Carbon Capture, Transportation, and Sequestration (CCTS) Midwest Carbon Express Project (the "MCE Project"). SCS Carbon Transport LLC will build the pipeline facilities in South Dakota that are a part of the larger MCE Project. This includes the day-to-day management of experts and technical professionals to execute the MCE Project from concept through design, construction, and ultimately commissioning and handover to operations. Post start-up, my responsibilities will transition to the safe and reliable operation of the MCE Project assets.

**Q. Have you previously submitted or prepared testimony in this proceeding in South Dakota?**

A. Yes, I submitted written testimony with the original application. This is intended to supplant all my prior testimony to date.

**Q. What is the purpose of your direct testimony?**

A. I am testifying in support of SCS Carbon Transport's request for a permit pursuant to the Energy Conversion and Transmission Facility Act authorizing it to construct, install, operate, and maintain the South Dakota portion of the MCE Project which is comprised of approximately 477.31 miles of 4" through 24" nominal diameter pipeline and 4 pipeline pump stations that collect CO<sub>2</sub> from Iowa, North Dakota, and 7 ethanol plants in South Dakota and transports the CO<sub>2</sub> to the South Dakota-North Dakota border (the "Project").

My testimony will include (i) a description of the corporate organization of Summit; and (ii) Summit's request for authority to construct the Project under SDCL 49-41 B and ARSD 20:10:22 which includes, without limitation the purpose of the facility, the estimated cost of the facility, demand for the facility, and to provide general information regarding the proposed site and the

process underpinning selection of the site. In addition, I will testify regarding the potential impact this facility will have on the state and communities through which it passes. We have other witnesses who will discuss other parts of the application in greater detail, but given my position, I do feel the need to converse about it broadly. My direction and intention is to plan, construct, and operate a world class facility which meets the needs of the shippers while minimizing impacts on others.

**Q. Can you provide a description of the corporate organization of Summit Carbon Solutions and its affiliates?**

A. The applicant is SCS Carbon Transport LLC, which is a wholly owned subsidiary of Summit Carbon Solutions, LLC a Delaware limited liability company with its principal office at 2321 North Loop, Suite 221, Ames, Iowa 50010. The entire membership interest in SCS Carbon Transport LLC is owned by Summit Carbon Solutions, LLC.

**Q. Will the pipeline be operated and/or managed by Summit Carbon Solutions, LLC?**

A. The proposed Project will be owned and operated by SCS Carbon Transport LLC. The Project will rely on Summit Carbon Solution's infrastructure that includes accounting systems, operational control center, operating integrity program, and operating policies and procedures.

**Q. Please give us an overview of the proposed pipeline.**

A. The overall proposed MCE Project is approximately 2,000 miles long ranging in size from 4" to 24" nominal diameter. The MCE Project will connect 32 ethanol plants located in Iowa, Minnesota, Nebraska, South Dakota, and North Dakota to a newly constructed sequestration site spanning sections of Oliver and Mercer counties, North Dakota. The pipeline network is proposed to transport approximately 9 million metric tons per annum (MMTPA) of CO<sub>2</sub> initially, with an anticipated capacity of 18 MMTPA or more. The MCE Project's purpose is to transport via pipeline

CO<sub>2</sub> captured and compressed to super critical state from the fermentation process at each ethanol facility to the sequestration location in North Dakota. Capturing CO<sub>2</sub> ultimately prevents CO<sub>2</sub> from being emitted into the atmosphere enabling a reduction in an ethanol plant's carbon intensity score which increases the value of the ethanol produced in low carbon fuel supply (LCFS) markets. Approximately 477.31 miles of pipeline network will be constructed within South Dakota for the Project.

**Q. What is the estimated cost of the facility?**

A. The cost of constructing the entire MCE Project pipeline network, 32 capture and compression facilities, and the sequestration facilities is approximately \$4.5 billion. Construction of the Project's 477.31 miles of pipeline and facilities within South Dakota is expected to be approximately \$795 million.

**Q. Can you describe for us the demand for the facility?**

A. Demand for the facility is high and comes from a need for existing ethanol plants in the upper Midwest to secure competitive access to low carbon fuel standard markets predominantly found on the west coast of the United States. Sequestering carbon dioxide from these participating ethanol plants significantly lowers their Carbon Intensity (CI) scores as applied by the marketplace and raises the return to the ethanol plants accordingly. By doing so, the project secures ethanol's place in the agricultural markets in the upper Midwest and secures corn prices and land prices by doing so. The Summit project represents a significant opportunity for existing ethanol plants to maintain market share and benefit their communities.

Summit has secured binding long-term offtake agreements with 32 ethanol plants who, in aggregate, have approximately 9 MTPA of CO<sub>2</sub> to support development of the entire MCE Project, including the South Dakota portion.

**Q. Where in South Dakota is the pipeline expected to be developed?**

**A.** The pipeline system enters South Dakota via a mainline from Iowa in Lincoln County ultimately exiting South Dakota in McPherson County. The Project includes 4 pump stations located in McPherson, Beadle, Brown, and Minnehaha counties, South Dakota. We have filed maps with the application update which demonstrate the expected route.

Additionally, SCS Carbon Transport LLC will construct aboveground appurtenances including approximately 51 mainline valves (MLVs) and 6 pig launcher and receiver (L/R) facilities. Table 3 from the Supplemental Application provides the land requirements for the project.

<b>Table 3: Land Requirements for the Project (Acres)</b>		
<b>FACILITY</b>	<b>CONSTRUCTION <sup>1</sup></b>	<b>OPERATIONS <sup>2</sup></b>
Pipelines	5892.6	2,886.1
Pump Stations	12.0	12.0
Mainline Valves	1.5	1.5
Launcher-Receivers	2.8	2.8
Access Roads	28.8	10.0
Additional Temporary Workspace	446.3	0.00
<b>TOTAL</b>	<b>6,384.0</b>	<b>2,912.4</b>
Notes:		
<sup>1</sup> Acreage for construction includes both construction (temporary) and operations (permanent) footprint.		
<sup>2</sup> Acreage for operations includes only permanent footprint.		

Construction of the new pipeline will require a typical construction ROW width of 110 feet for 24-inch pipe size and 100 feet for 4- to 12-inch pipe. In wetlands and for the crossings of waterbodies the construction ROW will be reduced to a width of 75 feet. Following construction, a 50-foot

wide permanent easement will be retained along the pipeline. Where necessary, Summit will utilize additional temporary workspace (ATWS) outside of the construction ROW to facilitate specialized construction procedures such as horizontal directional drills (HDDs); railroad, road, wetland, waterbody, and foreign utility line crossings; tie-ins with existing pipeline facilities; areas with steep side slopes; and pipeline crossovers. These ATWS will be allowed to revert to pre-existing conditions following construction activities, so there will be no permanent impact on these areas.

Summit will utilize existing public and private roads to access the pipeline ROW and aboveground facilities to the extent practicable. Existing roads will include paved, gravel, pasture roads, and other conveyances. Some roads may require modification or improvement to facilitate safe access for construction equipment and personnel. The Project pipeline will require construction of new temporary and permanent roads to provide access to the new pipeline both during construction and to accommodate future pipeline maintenance activities. The Applicant has identified 38 temporary access roads that will need to be used during the construction of the proposed pipeline and 42 permanent access roads that will be constructed to be used during operations. Summit will seek and enter road use agreements with all affected units of government.

**Q. How was the site for the pipeline selected?**

**A.** Later witnesses will discuss in more detail but basically, siting of the mainline attempts to minimize impacts and expense by being the shortest route between two points. The existing ethanol plants represent points of delivery which require service and their locations drove the siting of pipelines from each to the mainline in large measure.

**Q. Have you assessed the potential impact of the facility on the communities?**

**A.** The South Dakota portion of the pipeline will be 477.31 miles long and is expected to cost \$795 million. Of that amount, about 55%, or an estimated \$440 million, will be spent on labor over the construction period.

Once the Project has been built, the estimated yearly operations and maintenance spending will add approximately 233 permanent jobs with an associated \$18 million in labor income to the South Dakota economy. The increased economic activity that results during construction of the pipeline will generate an estimated additional sales, use, gross receipts, and lodging taxes of \$41 million for state and local government.

During the first full year of operation we are budgeting that the pipeline will generate an estimated \$12 million in new property taxes for local governments.

Based on my experience, I anticipate that the construction and operational aspects of the facility will integrate fairly easily with existing communities in South Dakota.

**Q. What are the expected impacts on the commercial and industrial sectors?**

**A.** It's anticipated that local economies will benefit from temporary hiring of local employees and from the influx of non-local construction workers. Economic benefits to local businesses are anticipated to increase through the sale of food, lodging, goods and services, fuel, and other consumables to the temporary non-local workforce. SCS Carbon Transport LLC also anticipates the purchase of goods, including construction materials and other supplies, from local businesses. Local purchases for construction may include consumables, fuel, maintenance services, equipment rental, office space rental/leasing, and medical needs.



**Q. What is the expected impact to the housing market?**

**A.** It's anticipated that non-local Project labor will use temporary housing such as rental units, hotels, motels, campgrounds, and recreational vehicle parks. During construction, it's anticipated that approximately 2,321 average annual individual construction personnel jobs will be in South Dakota, although in different locations at any one time along the pipeline route. It's anticipated that most of the temporary workforce will seek housing in the more populated, service-oriented towns located within a reasonable commuting distance to the work sites.

**Q. Will the project use local labor?**

**A.** It is anticipated that 233 permanent employees will be hired in South Dakota for operations. It is anticipated that approximately 2,321 average annual individual construction personnel jobs (Summit employees, construction contractor employees, construction inspection staff, environmental inspection staff, and safety coordination staff) will be on site to facilitate pipeline and facility construction. The current construction plan includes 4 pipeline construction spreads and 2 facility construction crews in South Dakota in 2023 and 2024. In aggregate, construction staffing will expend approximately 6,964 work years and generate approximately \$440 million in labor income. Summit expects that construction contractors will hire temporary construction personnel from local communities when possible. The net economic effect on local communities should be positive for the duration of the construction period.

**Q. What do you anticipate the impacts will be to health facilities?**

**A.** Summit will provide onsite medical treatment resources which will be supplemented by local healthcare facilities as needed during the duration of construction. Summit's onsite resources should limit utilization of local health facilities during the temporary influx of non-local construction workers. If there is an accident which is significant, we may well call 911 and use local health care facilities, but we anticipate having a very safe working environment. Due to the

limited number of permanent employees required for operation, no effect on health services and facilities are anticipated during post construction operation.

**Q. What will be the impact on local energy facilities?**

**A.** During construction, existing facilities (hotels, offices, etc.), temporary facilities (construction sites), and local communities should not experience any negative impact on their use of public utilities. Additionally, no significant negative effects from operation (i.e., pump station power demand) of the Project are anticipated.

**Q. What will be the impact on local sewage and water facilities?**

**A.** Construction of the Project will generate non-hazardous construction waste including human waste, trash, pipe banding & spacers, waste from coating products, welding rods, timber skids, cleared vegetation, stumps, rock, electrical wire, and miscellaneous construction debris. All waste, which may contain (or at any time may have contained) oil, grease, solvents, or other petroleum-based products will be segregated for handling and disposal in accordance with federal and state regulations. Porta potties are used at the contractor yards and hook-ups with local sewage facilities will not be required.

**Q. Does the project anticipate impacts to solid waste management facilities?**

**A.** All trash will be removed from the construction sites (ROW and facility locations) daily unless otherwise approved or directed by Summit. Minor vegetation, rock, and other natural debris will be removed from the construction sites prior to final site reclamation. Trash and waste will be removed from each construction site when work is completed at a particular location. All waste materials will be disposed of at licensed waste disposal facilities.

All drill cuttings and drilling mud will be disposed of at an approved location. Disposal options may include spreading over the construction ROW, hauling to an approved and licensed landfill,

or other sites approved by Summit and in accordance with applicable regulations. Human waste will be disposed of exclusively by means of portable self-contained toilets. Waste from these units will be collected by a licensed contractor for disposal only at a licensed and approved facilities.

Significant impacts to solid waste management are not anticipated during construction or while in operation.

**Q. What are the expected impacts from construction and operation to fire protection and law enforcement?**

**A.** Impacts from construction to first responders (fire and law enforcement) are expected to be low. Summit will develop response plans for fire, spills, and incidents that may occur during construction and ensure 1<sup>st</sup> responders are advised and trained if necessary. Impacts from operations to 1<sup>st</sup> responders (fire and law enforcement) will be addressed by following the federal regulations governing the transportation of carbon dioxide via pipeline and by significant and ongoing communications from the project safety. 49 CFR 195 requires pipeline operators to develop Emergency response plans and develop 1<sup>st</sup> responder education classes before operation that will ensure all potentially affected 1<sup>st</sup> responders are aware of the hazards of CO<sub>2</sub> incidents.

Law enforcement agencies in the communities adjacent to the pipeline should not experience a significant impact from construction personnel. All employees and contractors must comply with all federal, state, and local laws. If infractions occur, all employees and contractors will be subject to discipline up to and including termination.

As indicated by later witnesses, SCS Carbon Transport LLC will develop emergency response plans that will incorporate input from local first responders (law enforcement, fire departments, and emergency medical services) and Local Emergency Planning Committees. In the unlikely event of an incident, SCS Carbon Transport LLC will utilize employees and contractors as emergency

responders in the initial response effort. Summit will be consistent with industry best practice and comply with applicable regulations with respect to incident response methods and personnel.

The role of local emergency responders may be limited to notifying members of the community, directing traffic and people away from the impacted area, and coordinating potential community impacts such as road closures. Local emergency responders are typically trained and capable of the roles described above without additional training or specialized equipment. SCS Carbon Transport LLC will proactively work with emergency response agencies to provide pipeline and facility awareness education and support. Summit will implement a comprehensive public awareness program, consistent with accepted standards established for pipeline and facility operations in the U.S. This program will commence in advance of the Project in-service date (estimated late 2024). The public awareness program is intended to inform members of the public in the vicinity of the pipeline and facilities to protect the public from injury, prevent or mitigate effects on the environment, protect the pipeline and facility assets from damage by the public and provide ongoing public awareness.

**Q. What will be the expected impacts to recreation from construction and operation?**

**A.** South Dakota has extensive recreational opportunities including fishing, hunting, boating, hiking, camping, and biking. The most heavily used recreational areas occur where public access exists. The Project does not cross any federal or state-owned wildlife lands; however, access may be temporarily limited during construction where the pipeline crosses a road or access point. In addition, hunting opportunities may be temporarily limited in the vicinity of construction activity. No limitations associated with the normal operation of the pipeline and facilities are anticipated. No impacts or limited access to fishing or boating areas are anticipated during construction or operation of the pipeline and facilities.

**Q. Please describe for us the expected effect on transportation in the areas of construction and operation?**

A. Transportation routes anticipated for use during construction will be established through consultation with state and local highway agencies to the extent necessary. Those consultations will continue throughout construction. SCS Carbon Transport LLC expects to enter into Road Use agreements with all affected state and local highway agencies. Summit will seek to have the Commission establish a road bond in accordance with SDCL 49-41B-38.

The Department of Public Safety, Division of Highway Patrol, which has jurisdiction over the federal and state highway system in South Dakota, is responsible for issuing transportation-related permits to accommodate construction vehicles and traffic. Summit intends to work with the Division of Highway Patrol to secure required permits.

During construction, traffic on highways and secondary roads will increase. Hauling of materials and equipment will be within state road and bridge weight limits. There may be isolated hauling of material and equipment that may require special permits for weight and/or width. The primary impact will be deterioration of gravel or stone surface roads requiring grading and/or replenishment of the surface materials. SCS Carbon Transport LLC will be responsible for repairing damage to roads, restoring them to their pre-construction condition and/or as required to comply with agreements with affected agencies.

**Q. What kind of programs and procedures will be implemented to support public awareness and public safety?**

**A.** SCS Carbon Transport LLC will conduct public education outreach programs, including damage prevention programs, that meet or exceed industry (American Petroleum Institute Recommended Practice 1162) and regulatory (49 CFR 195.440) requirements concerning public awareness of pipelines and pipeline safety matters.

**Q. Will signage be installed to alert the public to the location of the pipeline?**

**A.** Yes, the pipeline will be marked with signage and warnings at road and highway crossings, navigable water ways, and other locations pursuant to federal regulations. This signage is intended to alert the public to the presence of an underground pipeline and to provide service information, contact information, and emergency data.

**Q. Will SCS Carbon Transport LLC utilize the one-call system?**

**A.** Yes, SCS Carbon Transport LLC will belong to and utilize the 811 one-call system, which is a nationally recognized system to prevent third party damage to underground facilities. Prior to any excavation, individuals and contractors are required to call the 811 one-call center to provide information specific to the area of planned excavation. Upon notification, SCS Carbon Transport LLC will dispatch damage prevention personnel to mark the location of the pipeline and determine whether on-site oversight is required.

**Q. Please describe for us your expectations in terms of taxes due the state and local governments?**

**A.** The project intends to pay its fair share of taxes as any other pipeline does. It is anticipated the Project will have a temporary positive impact on state sales and use tax during Project construction from the purchases of materials, equipment, supplies, and services by temporary construction employees of the Project. City sales tax will also be applicable on purchases made or deliveries

received within a city that has a city sales tax. The city tax is in addition to the state sales tax and is typically 1-2%.

The state imposes a 1.5% tourism tax on lodging, amusement, entertainment, and other tourism related businesses. It is anticipated the Project will generate additional tourism revenues in locations utilized by the non-local construction work force.

Contractors providing Project construction work or operational repairs are required to have a South Dakota contractor's tax license. The excise tax imposed on the gross receipts for construction Projects is 2%.

It is anticipated that there will be a positive impact on property taxes during operations. Pipelines are centrally assessed by the South Dakota Department of Revenue (SDDOR). SCS Carbon Transport LLC will annually submit information to the SDDOR enabling it to value the pipeline in South Dakota and generate information that states the location/value of property by county, township, and school district. The SDDOR will certify the taxable value to the counties where the facility property is located. Those counties will then apply their mill levies and the project will pay those property taxes. It's important to note that SCS Carbon Transport LLC doesn't determine the taxes it pays, nor does the PUC; the taxing entities do.

The taxes paid by the project are assessed by others of course. However, the project is budgeting that increased economic activity that occurs during construction of the pipeline will generate additional corporate income, sales, property, excise, and other taxes of approximately \$41 million for state government and local governments. During the first year of operation, the pipeline will generate approximately \$12 million in new property taxes for local governments.

**Q. Can you describe for us the forecast of the pipeline's impact on agriculture?**

- A.** Clearing vegetation from the ROW will temporarily impact pastureland and rangeland areas. These areas are anticipated to recover in one to three growing seasons after construction is completed. Long term or permanent impacts are only anticipated at aboveground facility locations that will be fenced and removed from current use. Rangeland may be affected during construction by restrictions on livestock movement across construction areas. Once construction is complete and the ROW restored, grazing and livestock movement over the permanent ROW may resume. Grazing practices should return to normal after vegetation is re-established, therefore permanent impacts are not anticipated.

Access to and work on pastureland and rangeland will comply with all easement agreements and applicable permits and regulations. Since the pipeline will be buried deep enough to allow continued use of the land, permanent impacts on agricultural production are not anticipated. Agricultural production on the permanent ROW will be allowed to resume after final cleanup.

Summit will restore all lands, equivalent to adjacent off-ROW lands and will provide compensation for crop loss, diminished productivity, and other damage to farmland. Reclamation and revegetation of croplands, impacted by Project construction will be in accordance with applicable easement agreements. Land will be recontoured to pre-existing conditions as practical and disturbed structures, ditches, bridges, culverts, fences, and slopes will be restored. Measures within the ECP (**Appendix 3**) will be implemented to minimize potential impacts to agricultural areas.

The pipeline is intended to provide expanded opportunities for ethanol in distant markets. The low carbon fuel standards in place in large distant markets create the opportunities, and the project unlocks them, for ethanol producers in the five-state area. Doing so supports corn prices and land prices into the future in a very significant way.

- Q.** **Please give us an overview of the planned operations control center.**



**A.** A state-of-the-art pipeline Operations Control Center (“OCC”) will be located in Ames, Iowa. The OCC will employ experienced and trained staff who will continuously monitor and control pipeline operations. A secondary OCC will be located nearby in the unlikely event the primary OCC becomes inoperable. A Supervisory Control and Data Acquisition (“SCADA”) system will be responsible for communicating with all field sites and providing up to the minute status from every facility and data collection point along the pipeline and will be fully accessible from either of the OCCs.

**Q. Will the operations control center be manned 24/7?**

**A.** Yes, the OCC will be manned by a pipeline operator 24 hours a day, 7 days a week, 365 days a year.

**Q. What kind of data will be collected and transmitted to the operations control center?**

**A.** The SCADA system will be utilized to continuously monitor sensing devices located at strategic points along the pipeline to collect data that will allow the Applicant to trend pressure and flow of CO<sub>2</sub> under transport. This data collection will be utilized to ensure the pipeline operation is maintained within established operating parameters. OCC personnel have the capability to remotely shut down pump stations and isolate pipeline segments in the event abnormal operating conditions are observed.

A Real Time Transient Model (“RTTM”) leak detection system will be deployed. The RTTM is a real time hydraulic model of the pipeline that runs alongside the actual pipeline. When the behavior of the pipeline does not match the hydraulic model, it indicates an issue that must be addressed. In the case of sudden changes in operating pressure, alarms will sound to indicate that a leak profile has been detected.

**Q. Will operating procedures be established to govern the operation and control of the pipeline through the operations control center?**

A. Yes, operating procedures will be developed and used to direct the OCC operator's actions and responses in both normal and abnormal operating conditions.

**Q. In addition to remote monitoring and control of the pipeline's operations through the operation's control center, will local operation of the pipeline be possible?**

A. Yes, in addition to remote control operations, local automated control and manual overrides will be in place to control or operate the pipeline system should remote communications fail. Operations personnel will be located in close proximity to remote operated facilities and will be trained to respond to abnormal conditions. In the event the pipeline cannot be safely operated, the pipeline system will be shut down until satisfactory operations can be re-established.

**Q. Please describe the procedures that will be employed for periodic inspections, surveillance, and maintenance of the facilities.**

A. During installation and pre-commissioning, the pipeline system will be subjected to rigorous inspection and testing to confirm mechanical integrity and compliance with regulatory requirements. Inspection will include inspection of 100% of field welds (exceeding the regulatory requirement of 10%); testing the integrity of pipe coating; and hydrostatically testing the pipeline to 125% of the planned maximum operating pressure.

Maintenance procedures will be developed that will include regular inspection and surveillance of the pipeline and appurtenances in accordance with requirements set forth in the Pipeline and Hazardous Material Safety Administration (PHMSA), 49 CFR Part 195.

The pipeline right-of-way (ROW) will be patrolled and visually inspected every 2 weeks, weather permitting, and not less than 26 times annually. Aerial surveillance will check for abnormal conditions, stressed or damaged vegetation, or dangerous activity (unauthorized excavation, unauthorized construction, etc.).

**Q. Will maintenance and emergency response personnel be stationed along the route of the pipeline?**

A Yes, personnel trained in maintenance and emergency response procedures will be strategically located along the pipeline system.

**Q. Where will the emergency response equipment be located?**

A. Since a release of CO<sub>2</sub> would not involve overland flow, emergency response (spill response) equipment will not be required.

**Q. Where will the personnel who are trained in emergencies responses be located?**

A. All personnel located in the field along the pipeline system will be trained in emergency response.

**Q. Will an emergency response plan be prepared?**

A. Yes, an emergency response plan, as required by federal regulations 49 CFR 195 and approved by PHMSA, will be developed and in place prior to placing the pipeline system into operation. In addition, operations personnel will coordinate with local emergency responders and local authorities to conduct training and emergency response drills to ensure preparedness.

**Q. Please describe your thoughts on pipeline decommissioning.**

A. If decommissioned, the pipeline will be decommissioned in accordance with state and federal rules in place at the time of decommissioning. Decommissioning is so far out in the future that it's very difficult to predict what those requirements will be.

**Q. Do you seek an order from the Commission preempting local land use regulations, rules, and ordinances?**

A. Yes, we do. A few of the counties have adopted moratoria on pipelines, or fees for this project which bear no relationship to costs incurred, and other attempts to regulate the routing,

construction, and operation of the pipeline. These adoptions would make construction impossible at worst and at best, create inconsistencies which make construction and operation of the pipeline more difficult and more expensive with no increase in efficiency or safety.

**Q. Can you give us an example?**

**A.** Yes. Brown County has a moratorium on pipeline construction. Yet the project requires a pump station in Brown County in order to move the product safely through the pipeline without exceeding maximum operating pressure. That's a safety issue in our mind. We need that moratorium to be lifted, invalidated, or superseded in order to meet the safety rules in the construction and operation of the pipeline.

**Q. Is the project continuing to work with counties?**

**A.** Yes, we are continuing to dialogue with all the counties, where and when we can. One county, Hyde, let its moratorium expire in September. That is helpful. We have filed lawsuits against two of the counties, seeking to have the federal courts establish the primacy of federal law and federal regulations over pipelines with respect to the counties' actions and ordinances as well. We continue to hear and respond to concerns, and we hope to have resolved these matters prior to hearing in this proceeding.

**Q. Does this conclude your testimony?**

**A.** Yes.

**Dated this 1<sup>th</sup> Day of November, 2022.**

**/s/ James Powell**

**James Powell**