

CO₂ TRANSPORT TO THE BUCHANAN COUNTY FIELD SITE

Transportation of CO₂ is a safe and well-understood process. It is transported safely every day throughout the US. This poster explains how the CO₂ will get from the manufacturing plant to the injection site.



20-ton highway truck or 70-ton railcar transports liquid CO₂ from an industrial source in the eastern U.S. to a location near Vansant, VA.

Liquid CO₂ is transferred from highway truck to storage vessels or stored in railcars. Stored at 250 PSIG, -10° F.

Off-highway truck transfers liquid CO₂ 1.9 miles on gravel road to storage vessels.

Stored at 250 PSIG, -10° F
at injection well DD7

In-line propane heater heats CO₂ to gas phase at approximately 70° F for initial injection then maintains 40° F temperature or greater for the duration.

Tri-plex pump pressurizes CO₂ to
400–1100 PSIG

CO₂ is pumped directly into DD7 and through
2,300 feet of pipeline into wells DD7A
and DD8 at 400–1,100 PSIG

