



Description

CSI sequesters carbon by burying wood debris in anaerobic conditions to prevent decomposition. Our Hardin site is strategically chosen, considering geotechnical, soil, hydrological, and sourcing conditions. Ideal for anaerobic processes, stable hydrology, and abundant approved wood debris, it features clay from the Lissie Formation, a heavy, plastic clay with low hydraulic conductivity, allowing burial up to 25' deep.

Efficiency, durability, and transparency are paramount. Meticulous record-keeping streamlines auditing, wood handling, carbon verification, and emissions testing. A dedicated team, skilled in timber operations, ensures efficient excavation, burial, reduced emissions, and increased biomass density.

Pioneering a gas collection system, we monitor gas offtake from biomass decomposition, including gas and moisture levels within the clay cap. This system contributes to operational optimization and environmental monitoring.

Our Hardin site is more than a burial ground; it's a testament to responsible carbon management, where efficiency, transparency, and sustainable practices converge for impactful carbon sequestration.



Co-benefits

Cleaner Air: Our technology prevents forest burns, leading to cleaner air.

Increased Oxygen Levels: It contributes to higher oxygen levels, improving overall air quality.

Employment Opportunities: The process generates employment opportunities in rural communities.

Access to Forests: It facilitates improved access to forested areas.

Flood Protection: By raising degraded, intermittently flooded land, we make it usable for commercial and residential development.