

UIC CLASS VI GEOLOGIC STORAGE OF CO₂ PERMIT APPLICATION

Midland CCS Hub

South Midland Facility

Upton County, Texas

Section 4: Operational Strategy

[40 CFR §146.82, §146.86, §146.87]

Prepared for:

EPA Region 6

Underground Injection Control Section

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4.0 OPERATIONAL STRATEGY [40 CFR 146.82(a)(7), (a)(8), (10), (11), (12) 146.86, 146.87]

Milestone's permit **Section 3** describes the engineering design details, and **Section 4** includes operational strategies employed during the planning of the Midland CCS #2 Injection Well proposed by Milestone.

4.1 Injection Well Operating Strategy

Injection is planned for [REDACTED] [REDACTED] [REDACTED] **Table 4-1** summarizes the maximum wellhead and bottomhole pressures. See relevant modeling figures in **Section 2** for additional information on expected pressure increases. [REDACTED]

Values in **Table 4-1** are the proposed operating parameters for the Midland CCS #2 injection well. Average pressure values are likely to be adjusted once the test well is drilled. Maximum pressure and rate values are not expected to change substantially since they are linked to the fracture gradient and pipe size constraints. However, the fracture gradient may change pending pre-operational testing results.

4.2