# CLASS VI OPERATING AND REPORTING CONDITIONS

## Facility Information

Facility Name: Capio [redacted] Sequestration, LLC
Well Name: Capio [redacted] CCS Well No. 1

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Well location: [redacted]
Pointe Coupee Parish, Louisiana
[redacted]

**Table 7-1. Injection Well Operating Conditions**

| Parameter/Condition | Limitation or Permitted Value |
|---|---|
| Maximum Injection Pressure - Surface | [redacted] psi |
| Maximum Injection Pressure - Bottomhole | [redacted] psi |
| Annulus Pressure | [redacted] psi |
| Annulus Pressure/Tubing Differential | [redacted] psi (above surface injection pressure) |
| Maximum $CO_2$ Injection Rate | [redacted] tons per day |
| Maximum Temperature | [redacted] |

Injection pressure will be monitored at the wellhead by permanently installed pressure transducers (PTs). Distributed Fiber Optic Sensors (DFOS) deployed along the outside of the long string casing will continuously monitor pressure, temperature, and strain along the casing string and at the bottomhole. DFOS deployed in monitoring wells will continuously monitor changes in the subsurface as described in Section 8 - Testing and Monitoring Plan.

The maximum injection pressure, which serves to prevent confining-formation fracturing, was determined using the fracture gradient of 0.7 multiplied by 0.8, per 40 CFR 146.88(a). The maximum injection pressure at the wellhead (the delivery pressure) will be approximately [redacted] psi, and the maximum bottom of hole pressure will be approximately [redacted] psi, less than the limitation values reported above.

## Routine Shutdown Procedure

For injection shutdowns occurring under routine conditions (e.g., for well workovers), the permittee may gradually reduce the injection rate of $CO_2$ as warranted to ensure the protection of health, safety, and environment. Procedures that address immediately shutting in the well are included in Section 11 - Emergency and Remedial Response Plan.

### Table 7-2. Class VI Injection Well Reporting Requirements

| Activity | Reporting Requirements |
|---|---|
| $CO_2$ stream characterization | Semi-annually |
| Injection pressure, injection rate, injection volume, pressure on the annulus, and annulus fluid level | Semi-annually |
| Corrosion monitoring | Semi-annually |
| External MITs | Within 30 days of completion of test |
| Pressure fall-off testing | In the next semi-annual report |

*Note: All testing and monitoring frequencies and methodologies are included in Section 8 - Testing and Monitoring Plan.*

### Table 7-3. Class VI Project Reporting Requirements

| Activity | Reporting Requirements |
|---|---|
| Groundwater quality monitoring | Semi-annual reporting |
| Plume and pressure front tracking | In the next semi-annual report |
| Monitoring well MITs | Within 30 days of completion of test |
| Financial responsibility updates | Within 60 days of update |
| Surface air and/or soil gas monitoring | In the next semi-annual report |

*Note: All testing and monitoring frequencies and methodologies are included in Section 8 - Testing and Monitoring Plan.*