

## **7 TESTING AND MONITORING PLAN**

### **40 CFR 146.90, 146.91**

#### **TULARE COUNTY CARBON STORAGE PROJECT (TCCSP)**

##### **Facility Information**

Facility (site) Name: Tulare County Carbon Storage Project (TCCSP)

Facility Operator: TCCSP, LLC.

Facility Contact:



Project Location:



Injection Well Name and Coordinates:

Well Name	Latitude	Longitude
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

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### **List of Acronyms/Abbreviations**

2D	Two Dimensional
3D	Three Dimensional
ANSI	American National Standards Institute
AoR	Area of Review
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
AZ	Above-Zone
CBL	Cement Bond Log
CCS	Carbon, Capture, Storage
CI	Casing Inspection
CO <sub>2</sub>	Carbon Dioxide
DAS	Distributed Acoustic Sensing
DOE	Department of Energy
DTS	Distributing Temperature Sensing
DZMW	Dual Zone Monitoring Well
ERRP	Emergency and Remedial Response Plan
EOR	Enhanced Oil Recovery
EPA	Environmental Protection Agency
Ft	Feet
gm	Gram
GS	Geologic Sequestration
GW	Groundwater
in	Inch
IW	Injection Well
IZ	In-Zone
MD	Measured Depth
MIT	Mechanical Integrity Test
MMtpa	Million Metric Tons Per Annum
mt/d	Metric Tons Per Day
NACE	National Association of Corrosion Engineers
P/T	Pressure/Temperature
PISC	Post-Injection Site Care and Site Closure
PNC	Pulsed Neutron Capture
PSI	Pounds Per Square Inch
QASP	Quality Assurance and Surveillance Plan
SG	Shallow Groundwater
TD	Total Depth
TDS	Total Dissolved Solids
UIC	Underground Injection Control
USDW	Underground Source of Drinking Water
VSP	Vertical Seismic Profile

## **7.1 Testing and Monitoring Plan Overview**

This plan describes how TCCSP, LLC. will monitor the Tulare County Carbon Storage Project (TCCSP) site pursuant to 40 CFR 146.90. Subsequent sections detail the strategy, techniques, and implementation of these technologies to robustly monitor the injected CO<sub>2</sub>, formation fluids, and pressure buildup at the TCCSP site.

## **7.2 Overall Strategy, Approach, and Conceptual Design for Testing and Monitoring**

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this plan outlines a monitoring program capable of tracking the injected CO<sub>2</sub> and pressure front

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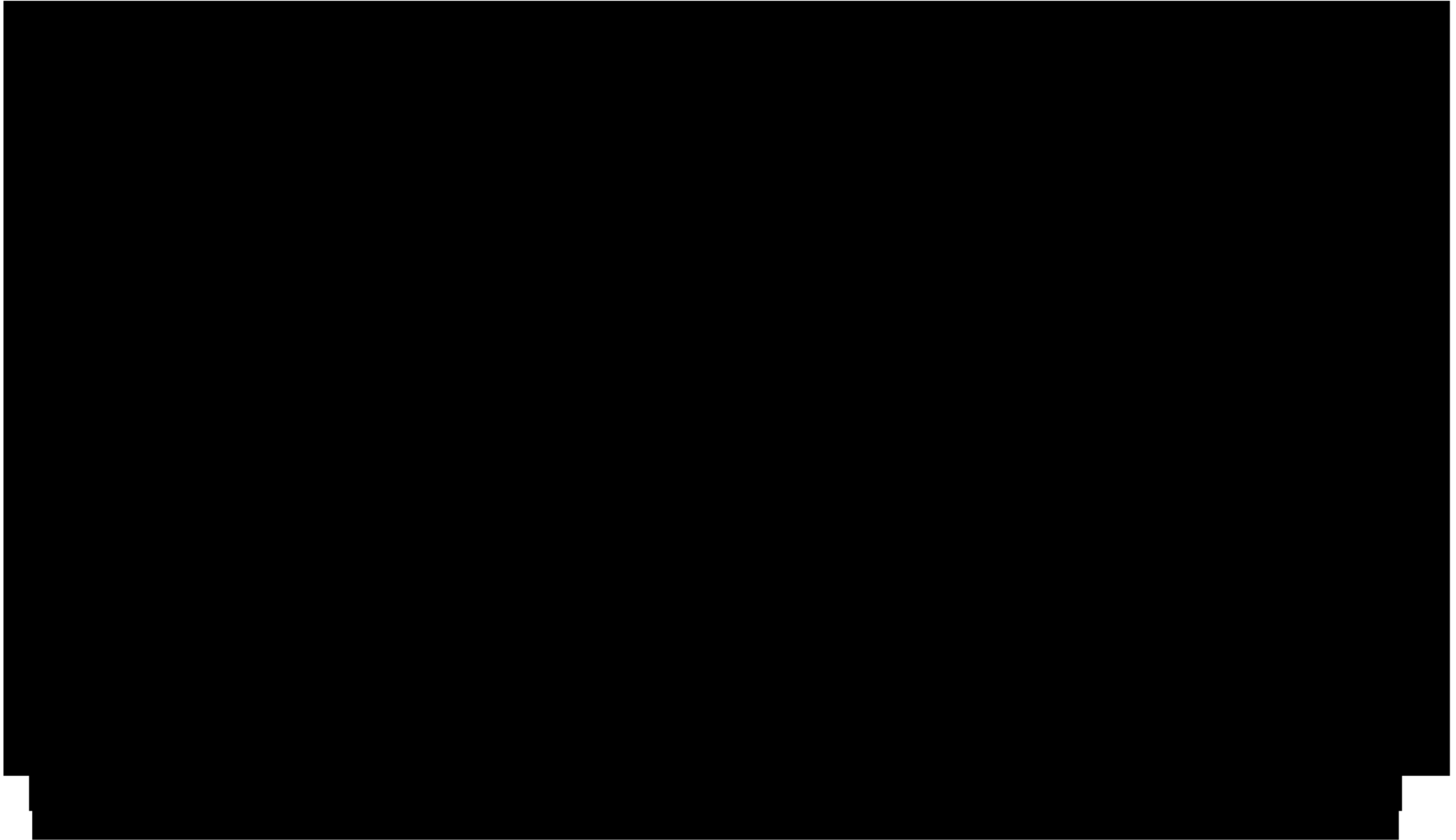
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## **7.5 Corrosion Monitoring**

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#### **7.6 Above Confining Zone Monitoring**

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### **7.7 Mechanical Integrity**

TCCSP, LLC. is committed to maintaining injection well mechanical integrity throughout the

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#### **7.8 Pressure Fall-Off Testing**

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#### **7.9 Carbon Dioxide Plume and Pressure Front Tracking**

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