Class VI UIC Project Information Tracking

This submission is for:

Project ID: R06-AR-0001

Project Name: Blue

Current Project Phase: Pre-Injection Prior to Construction

General Information

Number of proposed Class VI wells: 1

Brief description of the project: On behalf of LSB Industries, Lapis Energy plans to sequester CO2 emitted from the El Dorado Chemical Company (EDCC) in El Dorado (Union County), Arkansas, in saline aquifers underneath the facility. The project will be the first of its kind in Arkansas. The goal is to capture most of the process CO2 generated during ammonia production, which will generate more than 375 thousand metric tons of low carbon ammonia per year. The project will permanently sequester more than 450 thousand metric tons of CO2 per year and reduce LSB Industries scope 1 greenhouse gas emissions by roughly 25% from current levels. To put this number in perspective, this equates to more than 5% of all the industrial related carbon dioxide emission in the state of Arkansas, as per the U.S. Energy Information Administration (EIA) 2020 data.

Underground Injection Control (UIC) Program under Safe Drinking Water Act (SDWA)

Description: Class VI injection well

UIC Program under SDWA

Permit ID: TBD - initial application

Optional Additional Project Information

Facility and Owner/ Operator Information

Facility name: Lapis Energy (AR Development) LP

Facility mailing address: 2950 N Harwood St, Dallas, TX 75201

Facility location: Latitude: 33.262177 Longitude: -92.691626

Up to four Standard Industrial Classification (SIC) codes for the products/services provided by the facility: 8999

Facility located on Indian lands: No

Facility contact information

Contact person: Stijn Konings

Contact's business phone number: 972 - 757 - 6529

Contact's business email: skonings@lapisenergy.com

Operator's name: Lapis Energy (AR Development) LP

Operator's business address: 2950 N Harwood St, Dallas, TX 75201

Operator's business phone number: 214 - 310 - 1083

Operator's status: Private

Ownership status: Owner

Initial Permit Application

Permit Application Narrative: https://gsdt.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R06-AR-0001/Phase1-PreConstruction/ProjInfo-02-16-2023-1844/Module--A-----Project--Information--Tracking.zip

Proposed project plans, submitted with the Project Plan Submission module:

An Area of Review (AoR) and Corrective Action Plan

A Testing and Monitoring Plan

A Well Plugging Plan

A Post-Injection Site Care (PISC) and Site Closure Plan

An Emergency and Remedial Response Plan

Computational modeling information, submitted with the Area of Review Computational Modeling module

A financial responsibility demonstration, submitted with the Financial Responsibility Demonstration module

A proposed pre-operational logging and testing program, submitted with the Pre-Operational Testing module

Other Required Information: https://gsdt.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R06-AR-0001/Phase1-PreConstruction/ProjInfo-02-16-2023-1844/1.--Primacy--and--Additional_Rev0_Jan2023.pdf

Updated Information

Complete Submission

Authorized submission made by: Rajiv Manhas

For confirmation a read-only copy of your submission will be emailed to: skonings@lapisenergy.com