

PART I Authorization

- A. The permittee is authorized to operate Class V Injection Wells, at the facility described in the permit application and in the cover page of this permit, in accordance with the provisions set forth in this permit.
- B. This permit and the authorization to inject shall remain in effect until the expiration date stated on the cover page of this permit. If the permittee desires to continue injection past the expiration date of this permit, the permittee shall request a permit reissuance at least 180 days prior to expiration of this permit.

PART II Construction Requirements

- A. Injection Well Requirements
 - 1. The permittee may inject air and treated extracted groundwater as described in the permit application.
 - 2. The permittee shall provide a means of sampling the injection fluids prior to injection.
- B. Modifications

Approval of the Alabama Department of Environmental Management (ADEM) shall be obtained prior to modification of any injection well or supporting surface. Modification shall mean any action that will change the configuration of the well beneath the surface, the methods of monitoring injection, or will result in injection of a fluid not specifically authorized by this permit.

PART III Monitoring and Operating Requirements

- A. Injection Fluids
 - 1. Prior to injection of extracted groundwater, the permit shall treat the groundwater by passing through a wastewater treatment system. The treatment system shall be adequate to meet the discharge limitations contained in Appendix A. Prior to injection, the permittee shall monitor the treated groundwater as specified in Appendix A of this permit. Groundwater which does not meet the discharge limitations contained in Appendix A shall not be injected.
 - 2. The permittee shall not inject any substance that is defined as hazardous or toxic by Federal or State laws or regulations or any substance not identified in the applications for this permit.

B. Operation

The injection wells operated under this permit shall function properly and the injection fluids shall not surface. Should the injection wells fail to function properly, the permittee shall take corrective action, to include cessation of injection, as required by ADEM.

PART IV Records, Reports, & Submittals

A. Records

1. The permittee shall retain all records concerning the data used to complete the permit modification application, the operation of the wells, and the nature and composition of substances injected; to include records of the calibration of instruments, meters and gauges, quality control records, and recordings from continuous monitoring instrumentation; until at least three years after the closure of wells.
2. When requested by ADEM, the permittee shall deliver any of the records maintained in accordance with this permit.

B. Reports

1. The permittee shall submit not later than 28 days after monitoring performed under Appendix A, a discharge monitoring report.
2. **The Permittee must enroll in the E2 DMR reporting system within 180 days of the effective date of this permit.** Once the permittee is enrolled in the E2 DMR system, the permittee must utilize the system for the submittal of DMRs. The Permittee Participation Package may be downloaded online at <https://e2.adem.alabama.gov/npdes>. If the E2 DMR system is down due to technical problems originating with the Department's system, the permittee is not relieved of the obligation to submit DMR data by the required submittal date via faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date.
3. The permittee shall report to ADEM any of the following:
 - a) Any planned action which will change the use of the injection wells, will result in injection of a fluid different from that authorized by this permit, will change the method of operations of any injection well, or will change the method of the monitoring of well operations or injected fluids.
 - b) Any planned transfer of ownership of all or part of the permitted facility.
 - c) Any relevant facts of which the permittee becomes aware which should have been submitted in a permit modification application and any corrections to data previously submitted in a permit application.

4. Other Submittals

Studies, engineering reports, plans and specifications, plugging and abandonment plans, logging reports, and other technical documents submitted to comply with this permit shall be prepared by or under the supervision of qualified persons defined by Rule 6-8-.13 of the UIC Regulations of ADEM.

PART V Plugging and Abandonment

The permittee shall perform any abandonment and closure actions that may be required by ADEM to remove a threat to groundwater quality or to the health of persons which is caused by the injection activity.

PART VI Permit Modification, Revocation, Suspension, and Termination

- A. ADEM may impose emergency additional conditions to this permit when necessary to protect waters of the state from pollution. These conditions may include suspension of the permit to inject and shall remain in effect until the permit is modified, revoked, suspended or terminated in accordance with UIC Regulations of ADEM.
- B. Non-emergency permit modification, revocation, suspension, and termination actions shall be accomplished in accordance with ADEM Administrative Code Rule 335-6-8.

PART VII General Provisions

A. Test Procedures

Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 of the Federal Register and guidelines published pursuant to Section 304(h) of the Federal Water Pollution Control Act (FWPCA). If more than one method of analysis of a substance is approved for use, a method having a detection limit lower than the permit limit shall be used. If the detection limit of all methods is higher than the permit limit, the method having the lowest detection limit shall be used and a report of less than detection limit shall constitute compliance. However, should the Environmental Protection Agency (EPA) approve a method with a lower detection limit during the term of this permit the permittee shall use the newly approved method.

- B. The permittee shall comply with all provisions of the UIC Regulations of the ADEM and shall comply with all provisions of this permit and shall reduce or halt injection if needed to maintain compliance with the permit and regulations.
- C. The permittee shall comply with all applicable Federal and State hazardous waste management regulations.
- D. The permittee shall allow members of the ADEM staff to:
 - 1. access property and records of the permittee for purposes of inspection.
 - 2. collect samples of the injected fluids, process and wastewater streams associated with the permitted injection wells.
 - 3. collect samples from any monitoring wells.
 - 4. obtain copies of records upon request.

- E. The permittee shall immediately take all reasonable steps to minimize or correct any adverse environmental impact resulting from the operation of the permitted injection wells.
- F. This permit does not convey any property rights of any sort, or any exclusive privilege.
- G. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- H. Any noncompliance with this permit constitutes a violation of the Alabama Water Pollution Control Act and/or the Underground Injection Control Regulations and is grounds for enforcement action such as permit termination, revocation, modification; or denial of a permit renewal application.
- I. All provisions of ADEM Admin. Code Rule 335-6-8-.12 are incorporated as terms and conditions of this permit by reference.

APPENDIX A

Prior to injection, extracted groundwater shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>UNITS</u>	<u>DISCHARGE LIMITS</u>	<u>FREQUENCY</u>	<u>SAMPLE TYPE</u>
Benzene	mg/l	0.005	Monthly	Grab
Toluene	mg/l	1	Monthly	Grab
Ethyl Benzene	mg/l	0.7	Monthly	Grab
Xylenes	mg/l	10	Monthly	Grab
Benzo(a)pyrene	mg/l	0.0002	Monthly	Grab
MtBE	mg/l	Monitor	Monthly	Grab
naphthalene	mg/l	Monitor	Monthly	Grab
ethylene di bromide	mg/l	0.00005	Monthly	Grab
lead	mg/l	0.015	Monthly	Grab

ADEM Permit Rationale

Date: December 31, 2019

Prepared by: Joe Kelly

Permit Applicant: Lee County Department of Transportation

Facility Name: Lee County DOT Camp #4

Location: 517 Lee County Road 254
Salem
Lee County, Alabama
Lat: N 32.601181/W -85.218671
Town 19N, Range 28 E, Section 27

UIC Permit Number ALSI9941555

Draft Permit is: Initial Registration / New Use

Injection Description: injection of treated groundwater and air to aid in the remediation of groundwater contamination

Discussion: Standard permit drafted.

1. No hazardous injection
2. Effluent Sampling required
3. Effluent limits