

(Please type or use black ink)

ADEM NOTICE OF PROPOSED UNDERGROUND STORAGE TANK (UST) SYSTEM NEW INSTALLATION OR MODIFICATION

(Use a separate form for each separate place of operation)

Date of this Notice: _____

Questions on how to complete this form should be directed to the Groundwater Branch, UST Compliance Section at (334) 270-5655.

PART I. GENERAL INFORMATION

Facility I. D. # _____

(Indicate as unregistered if new place of operation)

Facility County: _____

Name: _____

Physical Address: _____

GPS Lat: _____ Long: _____ or Map Attached

Scheduled Installation Date: _____

(30 DAYS ADVANCE NOTICE REQUIRED)

UST Owner: _____

Owner Mailing Address: _____

Contact Person: _____

Contact Phone Number: _____

IMPORTANT!: The Department requires double walled USTs and underground piping with interstitial monitoring as a leak detection method to prevent leaks from all UST systems installed on or after August 6, 2007. UST systems installed without meeting these requirements and not approved by the Department will be required to be permanently closed.

THE INSTALLATION OF ANY OF THE FOLLOWING REQUIRES SUBMITTAL OF PLANS AND SPECIFICATIONS COVERING THE APPROPRIATE ITEM(S) LISTED BELOW. THE PLANS AND SPECIFICATIONS MUST BEAR THE SEAL OR NUMBER OF A REGISTERED PROFESSIONAL ENGINEER, OR A CORROSION EXPERT (NACE CERTIFIED CORROSION SPECIALIST) IN THE CASE OF FIELD INSTALLED CATHODIC PROTECTION.

Specifications must include the Manufacturer, Model and Version of any proposed anchorage system and/or liquid or vapor sensor release detection equipment.

PLEASE INDICATE IF ANY OF THE ITEMS BELOW APPLY AT THIS SITE.

- Field Installed Cathodic Protection System will be installed.
- Groundwater Monitoring System will be installed.
- Vapor Monitoring System will be installed.
- UST(s) will be installed in such a way that the UST(s) will be wholly or partially submerged during any part of the year. **UST anchoring plans and specifications are required UNLESS** the manufacturer's standard design was submitted by a Registered Professional Engineer and pre-approved by the Department.
- DESIGN PLANS AND SPECIFICATIONS ATTACHED**
- MANUFACTURER'S DESIGN WAS PRE-APPROVED BY ADEM**
- Name of UST manufacturer: _____
- Number of brochure which includes standard design: _____
- Date of Brochure: _____

AIR DIVISION REQUIREMENTS

ADEM Air Division requires Stage I vapor recovery on all new installations of gasoline tank systems greater than or equal to 3000 gallons that were installed or upgraded after October 1, 1990. Stage I vapor recovery is NOT required for diesel tank systems. As of January 10, 2008, the coaxial vapor balance system is **no longer approved** on new installations of gasoline tank systems at gasoline dispensing facilities subject to 40 CFR Part 63, Subpart CCCCC.

All inquiries concerning this requirement should be directed to ADEM Air Division at (334)271-7861, except for facilities in Jefferson County (205-930-1247) and the city of Huntsville (256-427-5740).

- This is a new installation or upgrade that includes Stage I equipment.
- An ADEM Air Permit Application has been completed.**

PART II. UST AND/OR UNDERGROUND PIPING INSTALLATION

A. TANKS

1. Number of double walled tank system(s) to be installed: _____
2. Size of Tank(s): _____ gallons
3. Proposed use of Tank(s):
 - Petroleum products
 - Gasoline containing greater than 10% ethanol
 - Diesel containing greater than 20% biodiesel

NOTE: Please complete and submit ADEM Form #562 for all UST systems storing greater than E10 or B20

 - Waste oil
 - Virgin oil
 - Emergency power
 - Hazardous materials
 - Heating oil

NOTE: Heating oil UST(s) are NOT regulated. Completion of this form is not required for heating oil UST(s).

- Check if this is a new installation of UST release/leak detection equipment.

B. UNDERGROUND PIPING

Indicate all that apply:

- Installation of double walled pressurized piping
NOTE: All pressurized piping installed on or after August 6, 2007 is required to use interstitial monitoring.
NOTE: A repair of 5 feet of piping or more requires replacing the entire piping run with double walled piping and interstitial monitoring.
- Installation of suction piping
- Installation of piping release and/or leak detection equipment
- Check if this is a new installation of piping that replaces existing piping.
NOTE: All piping replacements require submittal of the piping closure assessment portion of ADEM Form #474.

RELEASE/LEAK DETECTION

ONLY RELEASE/LEAK DETECTION EQUIPMENT THAT HAS BEEN DETERMINED BY THE DEPARTMENT TO MEET MINIMUM RELEASE/LEAK DETECTION PERFORMANCE REQUIREMENTS MAY BE USED IN THE STATE OF ALABAMA.

Visit the NWGLDE website at www.nwglde.org to view a list of release/leak detection equipment/methods that ADEM approves for use in Alabama.

TANKS

Leak detection equipment for USTs installed on or after August 6, 2007:

- Monthly interstitial monitoring equipment: _____
 Manufacturer: _____ Model: _____

Release detection equipment/methods for USTs installed before August 6, 2007:

- Automatic tank gauge (0.2 gph monthly static test)
 Manufacturer: _____ Model: _____ Probe Model: _____
- Continuous automatic tank gauge
 Manufacturer: _____ Model: _____ Probe Model: _____
- Monthly statistical inventory reconciliation (SIR) (0.2 gph)
 SIR vendor: _____ Program: _____ Version: _____
- Monthly groundwater monitoring system (Plans and specifications required – see page 1)
- Monthly vapor monitoring system (Plans and specifications required – see page 1)

Additional release/leak detection equipment/method(s) used for USTs, but not required by ADEM regulations:

- Equipment/method: _____
 Manufacturer: _____ Model: _____

UNDERGROUND PRESSURIZED PIPING

Check one from **Each** of the following two groups

Group I: Release detection equipment for all pressurized piping:

- Mechanical line leak detector
 Manufacturer: _____ Model: _____
- Automatic electronic like leak detector shutoff device
 Manufacturer: _____ Model: _____
- Sump sensor relayed to automatically shut off the submersible pump
 Manufacturer: _____ Model: _____

Group II: Leak detection equipment for pressurized piping installed on or after August 6, 2007, interstitial monitoring is required:

- Monthly interstitial monitoring equipment: _____
 Manufacturer: _____ Model: _____

Group II: Release detection equipment/methods for pressurized piping installed before August 6, 2007:

- Annual line testing (0.1 gph)
- Automatic electronic line leak detector testing (0.2 gph monthly or 0.1 gph annual test)
 Manufacturer: _____ Model: _____
- Monthly groundwater monitoring system (Plans and specifications required – see page 1)
- Monthly vapor monitoring system (Plans and specifications required – see page 1)
- Monthly statistical inventory reconciliation (SIR) (0.2 gph)
 SIR vendor: _____ Program: _____ Version: _____

Additional release/leak detection equipment/method(s) used for Group I or Group II, but not required by ADEM regulations:

- Equipment/Method: _____
 Manufacturer: _____ Model: _____

UNDERGROUND SUCTION PIPING

Suction piping installed as safe suction piping:

- Safe suction piping

Only an option when the piping slopes towards the tank, there is only one check valve in each line and the check valve is directly below the pump. The check valve must be visible for inspection.

NOTE: ADEM regulations allow piping installed as safe suction piping to be single walled.

Leak detection equipment for suction piping not installed as safe suction piping on or after August 6, 2007:

- Interstitial monitoring equipment: _____
 Manufacturer: _____ Model: _____

Release detection equipment for suction piping not installed as safe suction piping before August 6, 2007:

- Line testing (0.1 gph) every 3 years
- Monthly groundwater monitoring (Plans and specifications required – see page 1)
- Monthly vapor monitoring (Plans and specifications required – see page 1)
- Monthly statistical inventory reconciliation (SIR) (0.2 gph)
 SIR vendor: _____ Program: _____ Version: _____

UNDERGROUND SUCTION PIPING (cont'd)

Additional release/leak detection equipment/method(s) used, but not required by ADEM regulations:

- Equipment/Method: _____
 Manufacturer: _____ Model: _____

UNDERGROUND GRAVITY FEED PIPING

No release/leak detection requirements

MATERIALS OF CONSTRUCTION

USTS

Inspect interstice or check vacuum or liquid level in interstice in accordance with manufacturer's instructions after all construction has been completed, including paving, prior to bringing system into service.

- Steel, factory coated with galvanic cathodic protection (*double walled*)
 Manufacturer: _____ Model: _____
- Fiberglass (*double walled*)
 Manufacturer: _____ Model: _____
- Steel, clad or jacketed with fiberglass (*double walled*)
 Manufacturer: _____ Model: _____
- Steel, clad or jacketed with polyurethane in accordance with Steel Tank Institute (STI) ACT-100-U or equivalent standard (*double walled*)
 Manufacturer: _____ Model: _____

UNDERGROUND PIPING

All new nonmetallic piping must meet the latest UL standard 971

- Fiberglass (*double walled or single walled for safe suction*)
 Manufacturer: _____ Model: _____
- Flexible underground piping (*double walled or single walled for safe suction*)
 Manufacturer: _____ Model: _____
- Steel with secondary containment which provides an air filled annular space

UNDERGROUND FLEX CONNECTOR

- Flexible connector
 Manufacturer: _____ Model: _____
- Flexible underground piping (used as a flex connector)
 Manufacturer: _____ Model: _____
- Other (please specify)
 Manufacturer: _____ Model: _____

CORROSION PROTECTION

ALL METAL UST COMPONENTS WHICH ARE IN CONTACT WITH THE GROUND AND ROUTINELY CONTAIN PRODUCT MUST BE PROTECTED FROM CORROSION

TANKS

- Factory coated with galvanic cathodic protection (e.g. STI P3 tank with sacrificial anodes)
 Field installed cathodic protection (Plans and specifications required – see page 1)

UNDERGROUND PIPING

- Galvanic cathodic protection (e.g. sacrificial anodes)
 Field installed cathodic protection (Plans and specifications required – see page 1)

SPILL PREVENTION

- Single wall spill prevention equipment (spill bucket)
 Double wall spill prevention equipment (spill bucket)

Manufacturer: _____ Model: _____

OVERFILL PREVENTION

- Automatic shutoff device (*flapper valve*)

Manufacturer: _____ Model: _____

- High level alarm (*must alert fuel deliverer*)

Manufacturer: _____ Model: _____

Ball float vent valve (Beginning December 8, 2017, ball float vent valves may no longer be installed.)

UNDER DISPENSER CONTAINMENT

All dispensers installed on or after August 6, 2007 are required to have under dispenser containment that is accessible for annual inspections.

- Under dispenser containment equipment

Manufacturer: _____ Model: _____

SUBMERSIBLE PUMP CONTAINMENT

All UST systems installed on or after August 6, 2007 are required to have secondary containment sumps that are accessible for annual inspections.

- Single walled STP sump
 Double walled STP sump

Manufacturer: _____ Model: _____

PART III. CERTIFIED CONTRACTOR

UST SYSTEMS MUST BE INSTALLED BY AN INDIVIDUAL CERTIFIED IN ACCORDANCE WITH ADEM ADMINISTRATIVE CODE RULE 335-6-15-.47. SUBPARAGRAPH (e) OF THIS RULE REQUIRES THESE INDIVIDUALS TO:

- 1. EXERCISE SUPERVISORY CONTROL DURING INSTALLATION,**
- 2. BE PRESENT AT THE JOB SITE DURING CRITICAL JUNCTURES,**
- 3. ENSURE THIS FORM IS SUBMITTED TO THE DEPARTMENT 30 DAYS PRIOR TO INSTALLATION/MODIFICATION.**

Visit the ALPEC Website at www.alpec.net or call ALPEC at 334 288-4103 to obtain a list of Alabama certified contractors.

Certified Installer Name: _____

Certification Expiration Date: _____

Company Name: _____

Phone #: _____

Address: _____

Signature of Person Completing This Form: _____

Date: _____

PART IV. OWNER SIGNATURE

A LETTER INDICATING DEPARTMENT APPROVAL OF THIS FORM AND ALL APPLICABLE DESIGN PLANS AND SPECIFICATIONS MUST BE RECEIVED BY THE UST OWNER PRIOR TO INITIATING CONSTRUCTION. IF THE TANK SYSTEM(S) ARE NOT INSTALLED OR MODIFIED WITHIN 6 MONTHS OF THIS NOTIFICATION, RE-NOTIFICATION IS REQUESTED. ALSO, RE-NOTIFICATION IS REQUIRED IF ANY DESIGN CHANGES ARE MADE AFTER RECEIVING DEPARTMENT APPROVAL.

WITHIN THIRTY (30) DAYS OF BRINGING THE NEW OR MODIFIED UST SYSTEM INTO SERVICE, A NEW OR AMENDED UST NOTIFICATION FORM #279 SHOULD BE COMPLETED AND SUBMITTED TO THE DEPARTMENT.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS AND THAT BASED ON THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

Signature of Owner: _____

Date: _____

**AFTER THIS FORM IS COMPLETED AND SIGNED,
MAIL A COPY OF THIS FORM TO:**

Groundwater Branch
PO Box 30146
Montgomery, AL 36130-1463

OR FAX TO:

(334) 270-5631

OR EMAIL TO:

USTcompliance@adem.alabama.gov