

## **ADEM UIC Class V Well Permit Application Requirements Guidance**

To apply for a Class V permit, an owner or operator of a new or existing well(s) shall submit a permit application to the Department which shall include the following information:

(a) Name, address and phone number of the owner and, if different, the name, address and phone number of the property owner and operator. (CLEARLY IDENTIFY THE PERMIT APPLICANT AND RESPONSIBLE OFFICIAL.)

(b) Facility name, address, phone number (if applicable) and physical location (if different from the address). Provide a description of the location of each proposed injection well or well field. (INCLUDE ANY SYSTEM FOR WHICH THE PERMIT APPLICATION IS BEING SUBMITTED.)

(c) A map(s) which shows the location of proposed injection well(s), public and private water supply wells, source water assessment areas meeting the requirements of rule 335-7-5, well head protection areas meeting the requirements of rule 335-7-12, surface waters and other pertinent surface features such as roads, natural or man made drainage courses, residences, and other structures within the area of review. The area of review should extend a minimum of 0.5 mile around the proposed injection well(s).

(d) A description of the fluids and/or pollutants to be injected and proposed operational procedures which include estimated average and maximum daily injection rates and volume of fluids and identification of all pollutants and their concentrations to be injected. (INCLUDE SUPPORTING DOCUMENTATION AND CALCULATIONS WHERE APPLICABLE.)

(e) The design, plans, construction specifications and other pertinent information of the treatment system, injection well(s), sampling system, and ground water monitoring well(s) required by the Department.

Monitoring wells shall be located and constructed in accordance with approved plans and shall conform to the following requirements:

1. The monitoring well configuration shall be designed to detect pollutant movement away from the well or well field;
2. The monitoring well plan shall be designed to detect pollution in the USDW into which injection is permitted and any other USDW which the Department determines may or has the potential to be impacted by the permitted injection and any associated facility or activity in the area of review;
3. An adequate number of monitoring wells shall extend into all USDW's, likely to be affected, to detect any movement of fluids and/or pollutants injected, process by-products or formation fluids into the USDW;
4. A plugging and abandonment plan may be required for a monitoring well when the Director deems it is necessary in order to prevent pollution of a USDW.

For the purposes of determining the bottom elevation of a subsurface fluid distribution system, the seasonal high ground water elevation or soil restrictive layer shall be determined either by measurement of ground water levels or by identification of natural soil features indicative of soil saturation. A minimum separation distance between the bottom elevation of a subsurface fluid distribution system and the seasonal high ground water elevation or soil restrictive feature shall be established by the Department based upon the proposed disposal technology to allow for the protection of groundwater quality and for the proper functioning of the subsurface distribution system. (INCLUDE ALL SOILS DATA WHERE APPLICABLE)

(f) Hydrogeological data determined to be necessary by the Department such as depth to ground water, direction of ground water flow, topographic description, physiographic province, etc. Also Include Form 531, boring log(s) for the site, a topographic map with site location marked and a cover letter summarizing the site information.

(g) When required, the financial responsibility requirements in subparagraph (1)(h) of rule 335-6-8-.09 shall be demonstrated. A permit application for discharge of treated sanitary waste must include a demonstration of compliance with any applicable requirement for financial viability certification.

(h) A certification described in subparagraph (1)(o) of rule 335-6-8-.09 (SEE PARAGRAPH BELOW) signed by the responsible official described by subparagraph (1)(n) of rule 335-6-8-.09

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

**INDICATE THE RESPONSIBLE OFFICIAL DESCRIBED BELOW:**

1. In the case of a corporation, a principal executive officer of at least the level of vice-president;
2. In the case of a partnership, a general partner;
3. In the case of a sole proprietorship, the owner;
4. In the case of a municipal, state, federal, or other public agency, either a principal executive officer or ranking elected official.

**FURTHER INSTRUCTIONS:**

The Department may require submittal of additional information concerning any permit application when that information is required to evaluate the potential for pollution of a USDW or surface water or to determine permit conditions necessary to protect a USDW or surface water.

A permit application will not be processed until a completed application is received by the Department with the appropriate permit fee in accordance with rule 335-1-6. (FOR A NEW CLASS V UIC PERMIT THE CURRENT APPLICATION FEE PLUS A GREENFIELD FEE WILL APPLY- SEE RULE 335-1-1)

Applications for reissuance shall comply with rule 335-6-8-.10, except that previously submitted information need not be submitted unless requested by the Department.

Studies, engineering reports, plans and specifications, plugging and abandonment plans, well logs, drilling logs, and other technical submittals involve the practice of engineering and/or land surveying, as those terms are defined in Code of Alabama 1975, as amended, §§ 34-11-1 to 34-11-37; and/or the practice of geology, as that term is defined in Code of Alabama 1975, as amended, §§ 34-41-1 to 34-41-24. It is the responsibility of any person preparing or submitting such submissions to ensure compliance with these laws and any regulations promulgated thereunder, as may be required by the State Board of Registration for Professional Engineers and Land Surveyors and/or the Alabama Board of Licensure for Professional Geologists. All submissions, or parts thereof, which are required by State law to be prepared by a licensed engineer, land surveyor, or geologist, must include the engineer's, land surveyor's, and/or geologist's signature and/or seal, as required by the applicable licensure laws.

Engineering plans and information submitted with the permit application must be completed and certified by a Professional Engineer licensed in the state of Alabama. Geological information submitted with the permit application must be completed and certified by a Professional Geologist licensed in the State of Alabama.