

CEP-2 APPLICATION

FOR A PERMIT TO INSTALL (REPAIR)
SMALL FLOW ONSITE SEWAGE DISPOSAL SYSTEM
For a System of Total Flow < 1801 gpd or ≤ 12 Bedrooms

For Department Use Only



ALABAMA DEPARTMENT
OF PUBLIC HEALTH
 New Repair

_____ County Health Department
_____ Co. Health Dept. I.D. No.
_____ Date Received

_____ Date Fee Paid
_____ Fee Amount
_____ Fee Code
_____ Receipt No.

PART A To Be Completed and Signed By the Owner/Authorized Agent

(1) Owner Name _____ (2) Daytime Phone: (____) _____
(Type or Print) (3) Alternate Phone: (____) _____

(4) Property's -E911 Address (or directions if address not available): _____

(5) City _____ (6) County _____ (7) State AL (8) Zip _____

(9) Property Size: _____ acre(s) (10) Water System serving site : _____ Public Private

IF THIS PROPERTY IS WITHIN A LARGE FLOW DEVELOPMENT COMPLETE ITEMS 11 – 15:

(11) Name of Development: _____
(12) Plat/Phase/Addition/Sector: _____ (13) Block: _____ (14) Lot: _____
(15) Health Dept. Site Development Plan (including CEP-3 Section A Part 3) has been reviewed Yes No
(Note: The Developer can provide Site Development Plan information relative to this lot)

IF THIS SYSTEM WILL SERVE A DWELLING(S), COMPLETE ITEMS 16 – 23 WITH THE **TOTAL QUANTITY** OF EACH:

(16) Site built (permanent) Dwelling(s): _____ (17) Manufactured Home (mobile, double wide): _____
(18) Number of bedrooms: _____ (19) Basements: _____
(20) Garbage Disposals: _____ (21) Spa/Hot Tubs: _____ gallons
(22) Wells/Potable Springs: _____ (23) Swimming pool: _____
(this includes irrigation wells)

IF THIS SYSTEM WILL SERVE AN ESTABLISHMENT(S), COMPLETE ITEMS 24 – 28 AND INCLUDE A FLOOR PLAN DRAWN TO SCALE:

(24) Number of buildings to be affected by this project: _____
(25) Use of Building(s): _____ (restaurant, church, school, etc.)
(26) Number of Patrons/day: _____ (27) Number of Employees: _____ (28) Number of Shifts: _____

PLEASE READ BEFORE SIGNING: By signing this application, I am stating that the information in this part is complete, true and correct; and that the OSS will be installed according to the design as approved by the ADPH and will be maintained according to the manufacturer's recommendation, the operation and maintenance plan, and the Permit. I understand that the property named in this application shall not be further divided, or the system thereon modified in any way, without approval by the Health Department. I acknowledge that the person who installs (repairs) and certifies this onsite system must be a licensed installer or individual who is in compliance with the provisions of state law, specifically Act 99-571 (Code of Ala., 1975, Title 34, Chapter 21A, Sections 1-26), as enacted, and as implemented. I do hereby give permission to the health department to enter onto the property, at reasonable hours, for the purpose of processing this application. **If this onsite system application is for an engineered system, as defined by the onsite rules, you are hereby informed that the Health Department will only review the application and accompanying documentation for completeness. No site visit or installation inspection will be performed. The Health Department depends on the Professional Engineer to ensure that the system is installed according to the submitted design and is in compliance with the rules. The Health Department assumes no liability.**

Owner Authorized Agent: Signature: _____ Date: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

CEP-2 APPLICATION CONTINUED - Small Flow

Owner Name or Location _____

PART B - SYSTEM PLANNING

(29) Designed system is: Engineered Conventional (30) Establishment Estimated Water Usage _____gallons/day

(31) Size of lot (excluding easements): _____sq. ft. (32) Sanitary Sewer is NOT available to this lot

(33) Plot plan drawn to scale attached (required with all applications)

- Lot dimensions/size/property lines
- Location/dimensions of structures
- Utilities/easements/water lines
- Surface waters/drainage features
- Well locations
- Landfill, dump, cave, or sinkhole
- Location of all soil test sites
- Location of OSS & REDF
- Layout of OSS
- Max/Min Trench Depth Proposed
- Aggregate & Cover Recommended./Required.
- Depth of fill
- % slope & direction
- Drainage/Gullies/>25% Slope Identified
- Location of embankments/cut/fill

(34) Construction Plan attached (See attached instructions) Engineered system applications must include a CONSTRUCTION PLAN which shall be certified by an engineer. NOTE: A construction plan is not required for a system generating 1800 gallons or less of sewage (not high strength sewage) a day proposing to use a conventional onsite sewage disposal system.

(35) Soil Survey NRCS

Property Location Information

Vicinity Map If available - Section: _____ T _____ R _____

If available – Latitude (degrees/minutes/seconds) _____ Longitude (degrees/minutes/seconds) _____

Application Attachments:

Legal Description or Copy of Deed Engineer Calculations (engineered design) Establishment _____ BOD/TSS lbs./day

-----APPLICABLE SIGNATURES BELOW-----

FOR CONVENTIONAL SYSTEMS:

Engineer Land Surveyor Geologist Soil Classifier PHESS Other _____

Last Name - PRINT or TYPE First Name Firm Name (if applicable)

Street or PO Box City State Zip Code Telephone Number

I hereby certify that the information contained in this part of the application, including all related attachments, is complete, true and correct.

Signature _____ Date _____

For applicable professionals - AL Registration No.: _____ License Photocopy attached

FOR ENGINEER DESIGNED SYSTEMS: By signing below, I acknowledge that the Health Department is relying upon my professional license, judgment and skill to ensure that the system is installed according to the submitted design and in accordance with applicable statutes and rules. I further acknowledge that no site visit or installation inspection will be conducted by the Health Department based upon its reliance on this signed certification by me.

Last Name - PRINT or TYPE First Name Firm Name

Street or PO Box City State Zip Code Telephone Number

I certify that the design features of the OSS at the address above have been designed, specified, or approved by me, and conform to design principles applicable to such projects. In my professional judgment, this system, when properly constructed, operated and maintained, will achieve the established performance standards and comply with applicable statutes of the State of Alabama and the ADPH.

Signature _____ Date _____

Registration No.: _____ License Photocopy attached

PART C – SITE EVALUATION

CEP 2/3 Part C Site Evaluation Form attached

Instructions for CEP-2 Applications

(1) An Application (CEP-2) for a Permit To Install/Repair a Small-Flow OSS shall be submitted for each Small-Flow OSS, and contain the following information.

(a) The address/location (911 address if available) of the site or the proposed dwelling/establishment/development.

(b) The number of bedrooms (dwellings), the number of persons served (establishments), or other information that can be used to establish or determine design flow and strength of sewage as per The Design Section, Rule 420-3-1-.79 Design Flow and Wastewater Concentrations. Where actual flow rates are referenced, these shall be from a similar facility or development and documented for a period representative of 12 consecutive months.

(c) A site evaluation as outlined in The Site Evaluation Section of Chapter 420-3-1, Onsite Sewage Treatment and Disposal rules.

(d) A vicinity map or written directions in sufficient detail to enable a person to find the site.

(e) A legal description or copy of the deed unless already submitted as part of the Large-Flow development process.

(f) The results of all known soil tests conducted on the site.

(g) The site's source of drinking water (public/private) to include name of water system if applicable.

(h) If the system is within a Large-Flow Development, name of development, location within the development to include the plat/phase/addition/sector, the block and the lot.

(i) If the system will serve a dwelling, provide number of permanent dwellings or manufactured mobile homes, and as applicable, whether or not garbage disposals, basements, swimming pools, spas/hot tubs will be present.

(2) A plot plan (drawn to scale) shall accompany the CEP-2 and include the following items:

(a) Lot dimensions/size, with all property lines identified for lots one acre or less in size; and all lot lines within fifty feet of the OSS, EDF and REDF locations for larger lots.

(b) The location, (relative to the property lines and the proposed OSS), description and dimensions of any existing or proposed structures, decks, patios, paved and/or impervious surfaces, retaining walls, pools, etc.

(c) Location of existing (and proposed) underground and above ground utility lines or easements, such as gas, water, telephone, electric, cable television, other similar lines and any other easements and rights-of-ways on the property. Additionally, water lines (on adjoining property) that are located within 10 feet of system components shall be shown.

(d) Locations of surface waters (including swamps, marshes, wetlands, springs etc.), hydric soils, frequently flooded areas, surface or subsurface drainage features or systems (natural or manmade, including drainage swales, drainage gullies, storm sewers, French or curtain drains, etc.), and storm water retention areas on the property or within 50 feet of any part of the EDF and REDF s.

(e) Locations of any existing or proposed wells on the property or within 100 feet of any part of the EDF/REDF.

(f) A description and location of any landfills or dumps (covered or open); surface mining operations; caves and sinkholes on the property and within 300 feet (measured from the closest edge or entrance) to the closest edge or part of the proposed EDF or REDF, whether or not on the applicant's property; public or private systems, and/or public water supply sources within 500 feet of the closest edge of the EDF or REDF.

(g) Location/identification of all known soil test sites, pits, etc.

(h) A layout of the proposed OSS, including recommended locations and capacities of treatment tanks, traps, distribution devices, pump chambers, and locations and sizes of the primary EDF and REDF areas.

1. The system layout shall also include the proposed depth of the EDF based on the soil test data; recommended aggregate or EDF product and cover; and the direction and percent of slope. percent of slope shall be determined as the largest percent of slope measured in the EDF area.

(i) Additionally, any areas on the lot that are over 40 percent slope, and significant landscape features on the lot such as drainage ways and drainage gullies, shall be identified.

2. The EDF and REDF areas located and shown as protected areas.

(i) The locations of the areas with slope in excess of 25 percent, existing or proposed embankments, cut or fill areas (and reasons for cut/fill) located within 25 feet of any part of the proposed primary EDF or REDF.

(ii) If fill is required, the fill depth, natural ground and finished elevation(s) shall be indicated. Proposals using fill in the EDF area shall comply with the applicable parts of Chapter 420-3-1, Onsite Sewage Treatment and Disposal rules.

(3) The ADPH may determine if additional information such as detailed soils mapping is required to evaluate a proposed OSS site/application.

(4) When the proposed OSS is for buildings other than a single-family dwelling, the following additional information shall be submitted;

(a) Floor plans drawn to scale.

(b) An explanation of the occupancy and use of the building(s).

(c) Number of buildings that are a part of this application.

(5) Construction Plan Requirements for Engineer Designed Systems.

(a) In addition to the items required in Section (4) the Construction Plan will include the following:

1. The location and elevation of a temporary bench mark (TBM).

2. Lot elevations and (original and finished) one foot contours shown for all sections of the lot within 25 feet of, and including, the proposed EDF. Two foot contours may be used for slopes greater than 25 percent.

3. A detailed layout to scale of the OSS including all treatment devices with capacities, filters, access manholes and risers shown, and pipe details including type, sizes, lengths, spacing, etc., and including the following:

(i) Maximum and minimum depths, in relation to the TBM, of trenches, cover, the top of the gravel or other aggregate/filter media, original ground and fill material, etc.

(ii) A cross-section view of the EDF.

(iii) A profile view of the system which shows the sequence of connections and specifies elevations, in relation to the TBM, for the dwelling/facility plumbing stub-out, tank inlet and outlet, pipe inverts, trench bottoms.

(iii) The EDF and REDF areas located and shown as protected areas.

(iv) A listing or description of materials to be used, methods of construction, instructions concerning inspection schedules, and operation and maintenance procedures.

(v) An explanation of the system design, with all design calculations. (including those for pump or siphon sizing, lift stations, dosing tanks, supply manifolds, small-diameter pipe sizing and

spacing, EDF sizing, etc. Pump curves, pump or siphon locations, electrical connection details, on/off levels for pumps, high water alarms, and any other information needed to complete the design review.

4. High water alarms shall be located to be easily heard/seen by the owner.
5. If boundaries are an issue the LHD may require a plat.

(b) This section does not have to be executed for lots for single dwellings recorded prior to March 18, 1982 in order to put a system on a lot that is smaller than 15,000 sq ft. For those that were recorded after March 18, 1982 the procedure below shall be executed.

(6) For lots smaller than the minimums set out in Chapter 420-3-1, Onsite Sewage Treatment and Disposal rule there shall be a surveyed boundary plat of the property recorded in accordance with Rule 420-3-1-.54 Recording Requirements, showing the following items surveyed in and on the recorded plat :

- (a) Lot dimensions, including total net & gross acreage or square footage.
- (b) The dwelling/establishments/structures location, drawn to scale.
- (c). The EDF and REDF areas shall be evaluated, designed and drawn to scale and shown as restricted areas.

(7) It shall be demonstrated that the EDF and the REDF are or can be made usable by the design. See Appendix A Table 21 for appropriate testing requirements.

(8) Engineer design is not required for lots recorded prior to March 18, 1982, if the lot can support a full sized conventional OSS as defined by these Rules with no disposal product reductions. This does not apply to multiple dwellings or establishments on one lot. In those cases engineer design is required.

(9) A written plan describing how the EDF and REDF areas will be protected during lot development.

(10) Wastewater from an establishment shall be characterized by the design engineer in terms of quantity, strength and method of treatment.

(11) All systems designed by an engineer, conventional or engineered, shall be in compliance with Rule 420-3-1-.52 Professional Signatures and Seals

