

CEP-3

REQUIREMENTS FOR THE SITE DEVELOPMENT PLAN (SDP)

- (1) A Site Development Plan (SDP) is required for the following:
 - (a) Large-Flow Development (including subdivisions).
 - (b) Large-Flow Systems.
 - (c) Establishments generating flow of over 1,800 gpd.
- (2) The primary purpose of a SDP is to initiate early involvement of the County Health Department (LHD) in a project, so as to protect the proposed EDF and REDF area(s) from any disturbance that will affect the performance of the OSS (such as removing or compacting soil), aid the ADPH in determining the suitability of a site for OSS, determine the type and location of the system(s) to be installed, and avoid costly and untimely delays later on in the project. A SDP shall be submitted before a Permit To Install/Repair will be issued.
- (3) The SDP process is completed in three parts and consists of the CEP-3 Section A Part 1 Preliminary SDP, CEP-3 Section A Part 2 SDP Review, and culminates in the Final SDP, or CEP-3 Section A, Part 3. Worksheets for Part 1, 2, and 3 should be completed as part of the SDP process.
- (4) **CEP-3 Section A Part 1 Preliminary SDP:** The applicant shall schedule an appointment with a public health environmentalist and other members of the design team. The applicant shall provide the Preliminary SDP portion (Section A, Part 1) of the CEP-3 application, a preliminary soils map meeting the requirements of Rule 420-3-1-.73 (2)(a), vicinity map, and topographic map. The approximate property boundaries shall be shown as applicable on these maps or a separate map. These maps shall be the basis of a discussion of the proposed site which shall cover such subjects as development ideas, site evaluation methods to be used, potential site restrictions, availability of public sewer, water supply and lot sizes. Following the Preliminary SDP meeting and discussion, the LHD shall provide to the applicant, a Part 1 Site Development Report summarizing the discussion points and establishing plans to proceed to Section A Part 2 of the SDP. Information and material outlined in Section A Part 2 that is required before an official site visit with the local health department should be discussed at this time. A tentative site visit date (Section A, Part 2) shall be scheduled at this time.
- (5) **CEP-3 Section A Part 2 SDP Review:** The applicant shall initiate the Site Evaluation Criteria as outlined in the Site Evaluation Section of Chapter 420-3-1. The applicant shall provide the SDP Review portion (Section A Part 2) of the CEP-3 application which includes a preliminary plat. The plat shall contain, when applicable, the lot and street layout with a soils map overlay and topographic overlay, easements, lot sizes/dimensions/configurations, the proposed or probable dwelling/establishment locations, and description of all the existing, and to the extent known, proposed structures, including, but not limited to, driveways, parking areas, sidewalks, walls, locations of any existing/proposed wells and water lines, and soil tests locations. The LHD shall conduct a SDP review. Following the SDP review, the LHD may conduct a site visit with all concerned parties (Section A, Part 2). At this time these individuals and the LHD shall discuss site evaluation results (soil types and limitations, such as restrictive layers, groundwater and groundwater indicators, site slopes/topography, rock, etc.) and EDF/lot size as applicable. Additionally, existing/proposed site or lot modifications shall be considered and discussed with respect to their impact upon the soil test results and proper functioning of the proposed OSS(s). Also discussed at this time will be the water supply, the types of OSSs the applicant may wish to consider, and the actions that will be taken to protect the EDF/REDF areas. Should an agreement not be reached on any of the above items, additional soil tests and evaluations may be necessary (including, but not limited to, a professional soils classifier visiting/mapping the site and/or a geologist to determine underlying rock formations and movement of subsurface water through these formations, etc.) The LHD shall provide to the applicant a Part 2 Site Development Report with conclusions and recommendations to include but not limited to, soil characteristics and their limitations, protection of the EDF/REDF, existing/proposed site/lot modifications, and recommendations for disposition of lots based on site evaluation results.
- (a) On some occasions it will be possible to determine a suitable location for the OSS without evaluating the entire site. In such cases, only those areas to be used for the OSS need be evaluated and

protected, provided no lot modifications are proposed or conducted within 25 feet of the proposed EDF and REDF area(s).

(b) **CEP-3 Section A Part 3 Final SDP:** An engineer shall prepare the Final SDP (Section A, Part 3). The engineer shall not develop the Final SDP (Section A, Part 3) until Parts 1 and 2 are completed. The submittal shall include the following:

(a) The site evaluation (including all test results) on the site as outlined in the Site Evaluation Section of Chapter 420-3-1.

(b) A plat of the property that includes the following items drawn to scale and in compliance with Rule 420-3-1-.52 Professional Signatures and Seals

1. Lot dimensions, sizes, and layouts (including the net & gross total square footage or acreage of each lot.) The plat is to be based on the site evaluation and the individual lots/parcels sized so that proposed dwellings/establishments meet required setback and separation distances in Rule C10-.45 Setback/Separation Distances and C11-.46 Additional Setback/Separation for a Large System.

2. The locations of any surface waters (including swamps, marshes, wetlands, springs, etc.), hydric soils, frequently flooded areas, any existing or proposed surface or subsurface drainage features or systems, storm water retention areas and in-ground swimming pools on the property or within 50 feet of any part of any existing/proposed EDF/REDF.

3. Location(s) of any wells (existing or proposed) and EDF/REDF(s) on the property and/or within 100 feet of any property line of the proposed development.

4. Locations and descriptions of any landfills, dumps (covered or opened), surface mining operations, caves and sinkholes on the property and within 300 feet as measured from the closest edge or entrance, to the nearest property line of any part of the development.

5. The locations of any sewer systems, underground utility and underground utility easements, public water sources, or water lines serving and/or within 500 feet of any property line of the proposed development.

6. The locations of any existing or proposed dwellings, structures, or establishments on the property.

7. A soils map overlay and the locations and results of all soil tests performed and the area included in the site evaluation.

8. Property elevations and slopes (two-foot maximum contours) specifically designating areas of slope greater than 25 percent.

(c) The Final Site Development Plan (SDP) that is documented on form CEP-3, Section A, Part 3 and is either on the plat, submitted with the plat or fully completed on form CEP-3, Section A, Part 3. It includes the following:

1. Site Protection Plan (SPP) submitted in writing which includes the following:

(i) A description of the measures that shall be taken to protect the EDF and REDF areas prior to and during construction and development activities for the Large-Flow development.

(ii) Once their locations are determined, the primary EDF and REDF areas shall be physically protected, in a manner dictated by the LHD that has a reasonable chance to protect the areas prior to and during construction and development activities for the Large-Flow development. The EDF and REDF areas should be designated in such a manner to communicate that these areas are for sewage disposal and shall be restricted from activities.

(iii) Prior to individual lot development and/or dwelling /establishment construction protection of the EDF and REDF accomplished in (ii) above shall be reinforced if needed and additional measures taken. If there is going to be considerable time between Final Development approval and lot development and/or dwelling/establishment construction the LHD may accept a plan to protect the area instead of actual physical protection.

2. Lot modification plan submitted in writing for proposed or existing lot modifications which includes the following:

(i) A description of, and reasons for, any existing or proposed lot modifications (for each lot to have an individual OSS), such as existing or proposed cut or fill areas, embankments, or areas which have received, or will receive, extensive grading or modification, and a detailed evaluation (if applicable) by the appropriate soil professional(s) as outlined in Rule 420-3-1-.95 Lot Modification – Planned and Unplanned of how these modifications may impact the placement/operation of an OSS and the EDF/REDF areas.

(ii) Modifications involving fill, cuts, or cuts with addition of fill shall not be allowed unless based on accepted design provisions found in Rule 420-3-1-.94 Controlled Fill Mound System and 420-3-1-.95 Lot Modification – Planned and Unplanned, and 420-3-1-.97 Recognized Mound Systems proposed as part of an advanced treatment OSS design acceptable to the ADPH.

3. It shall be the responsibility of the applicant to see that the plan to protect the EDF and REDF is carried out and the lot is not modified or disturbed in a manner that affects its ability to properly accept, treat, or dispose of effluent. If this is not done any approval that has been given may be revoked.

4. Site/lot modifications not approved in the SDP within 25 feet of the proposed OSS or EDF and REDF areas shall require a detailed professional evaluation as determined by the Department. This evaluation shall address the effect of the modifications on the performance and operation of the OSS or EDF and REDF areas.

(7) If a Performance Permit for a Large-Flow System is required, the application may be submitted with the SDP, but it should be noted that conditions set forth in the Performance Permit, particularly on type of system and permit conditions, may depend on results of investigation done for the SDP.

(8) The LHD shall provide to the applicant a Part 3 Final Development Report indicating approval or disapproval of the development, along with final conclusions and recommendations.

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APPLICATION FOR LARGE FLOW DEVELOPMENT

(A DEVELOPMENT WITH A SYSTEM OR SYSTEMS OF COMBINED FLOW OVER 1,800 GPD or 13 BEDROOMS OR MORE)

NOTE: This is an application ONLY. Completion does not constitute an approval or Permit To Install or approval for use



ALABAMA DEPARTMENT
OF PUBLIC HEALTH
 New Revision

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

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_____ Date Fee Paid
_____ Fee Amount
_____ Fee Code
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SECTION A

PRELIMINARY SITE DEVELOPMENT PLAN(SDP)

Part 1

To Be Completed and Signed By the Owner/Responsible Person *

Name of Development or Establishment _____

Property Size/Acres: _____ Section _____ T _____ R _____

Last Name(Responsible Person) _____ First Name _____ Title _____

Address _____ City _____ State _____ ZIP _____ Telephone # _____

Fax # _____ E-Mail _____

Directions to Site _____

TYPE DEVELOPMENT

- Large-Flow Development with Small-Flow systems Dwellings Establishments
 Proposed # of Lots/Spaces _____
 Proposed Minimum Lot size _____
- Large-Flow Development with Large-Flow system(s). SECTION A and SECTION B to be completed.

SEWAGE DISPOSAL

Projected flow _____ Proposed Treatment _____

Distance to Nearest Public Sewer _____ Size _____ Name of System _____

WATER SUPPLY

Public Individual (Specify) _____ Name of System _____

ATTACHMENTS

- Preliminary soils map with soils overlays on the Plot Plan. Legal description or certified copy of deed
 Plot Plan showing property boundaries Topographic map overlay of property (a USGS 1:24,000 map
 Vicinity map or equivalent is acceptable).

I acknowledge that the above items marked have been submitted to the County Health Dept and that this application constitutes request for a Preliminary SDP discussion/meeting as outlined above.

Responsible Person (Please Print): _____

Responsible Person's Signature: _____ Date: _____

This application shall be signed by the individual meeting the requirements of Rule 420-3-1-.45 Signatories to a Permit Application and Report and See Rule 420-3-1-.54 Recording Requirements

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SECTION A Part 1 Site Development Plan PRELIMINARY SDP - WORKSHEET

Name of Development or Establishment: _____

Preliminary SDP Scheduled Meeting Date: _____ County Health Department _____

Local Health Department Contact: _____ Phone no. _____

Planned Attendees: _____

Soil Professional/Engineer: _____ Phone no. _____

Discussion points to be reviewed during Preliminary SDP based on preliminary soils map as outlined in Site Evaluation Section to meet requirements of Part 1 Preliminary Site Development Plan:

Preliminary Soils Map including soil boundaries and ratings from published soil survey (USDA – NRCS) with topographic overlay

Development ideas / Project Type

Single-family dwellings; Number of bedrooms; Multiple-family dwellings – apartments, condominiums, mobile home park

Establishment(s) – nature of business, # of buildings, sizes of buildings

Treatment method – Individual systems, engineered systems, pretreatment, centralized system

Precautions for building development and lot construction relative to the proposed EDF & REDF areas. Grading plans, road construction, utility work, traffic lanes, cuts & fills, drainage plans, tree removal, terrace row modification, dwelling & structure placement should be discussed to minimize any lot modifications and to protect the EDF and REDF areas .

SITE EVALUATION CRITERIA

Site Limitation Determination (SLD) / Potential site restrictions

All sites on which an OSS is proposed shall be evaluated and rated using the following six(6) factors:

1. Permeability methods

Percolation method (Permeameter testing may be substituted for percolation test)

Unified Soils Classification method

Soil Morphology method

Detailed Soil Mapping method

2. Depth to Average Seasonal High Extended Saturation (ASHES)

3. Depth to Rock or other restrictive layers

4. Slope and landform limitations

5. Potential for flooding

6. Presence of hydric soils, wetlands, drainage features

The most limiting factor shall determine the suitability of the site for a conventional OSS and in some cases suggest a type of engineered system if needed. Refer to Appendix A Table 15.

Limitation ratings of severe or extreme may dictate the need for further evaluation such as wet season testing or evaluation by a Professional Soil Classifier.

Lot sizes

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Site evaluation (permeability and SLD ratings) may dictate minimum lot sizes due to higher percolation rates, shallow restrictive layers, types of restrictions, etc.

Setback distances to easements, drainage ways, surface waters, etc. may affect lot size.

Minimum lot size requirements (15000 sq.ft. net for public water supply)

Availability of public sewer

Availability, Distance, Cost, Feasibility

Water supply

Public - Availability of public supply

Individual - Lot size increases with individual water supply

Discuss information and material outlined in SECTION A Part 2 WORKSHEET that is required before completion of Part 2 of SDP.

Anticipated date(s) for Part 2 Site Visit with Local Health Department

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APPLICATION FOR LARGE FLOW DEVELOPMENT

(A DEVELOPMENT WITH A SYSTEM OR SYSTEMS OF COMBINED FLOW OVER 1,800 GPD or 13 BEDROOMS OR MORE)

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SECTION A

SITE DEVELOPMENT PLAN REVIEW

Part 2

To Be Completed and Signed By the Owner/Responsible Person *

Name of Development or Establishment _____

Property Size/Acres: _____ Section _____ T _____ R _____

_____, _____
Last Name(Responsible Person) First Name Title

_____, _____, _____, _____, _____
Address City State ZIP Telephone #

_____, _____
Fax # E-Mail

Directions to Site _____

ATTACHMENTS

- Preliminary Plat with lot and street layout
- Soils Map overlay
- Topographic overlay
- Site evaluation results / soil types and limitations

- Proposed Site Protection Plan
 - Proposed protection of EDF/REDF
 - Existing / Proposed site or lot modifications

I acknowledge that the above items marked have been submitted to the County Health Dept. and that this application constitutes request for completion of Part 2 of the Site Development Plan.

Responsible Person (Please Print):

Responsible Person's Signature: _____

Date: _____

*This application shall be signed by the individual meeting the requirements of Rule 420-3-1-.45 Signatories to a Permit Application and Report. See Rule 420-3-1-.54 Recording Requirements

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SECTION A Part 2 Site Development Plan SDP REVIEW WORKSHEET

Name of Development or Establishment: _____

SITE VISIT with LHD Scheduled Meeting Date: _____ County Health Department _____

Local Health Department Contact: _____ Phone no. _____

Planned Attendees: _____

Soil Professional/Engineer: _____ Phone no. _____

The following items should be submitted to the LHD for review and discussion to meet the requirements of Part 2 Site Development Plan Review:

PRELIMINARY PLAT

- Preliminary plat with lot and street layout including:
 - Lot sizes/dimensions/configurations (net and gross square footage)
 - Easements identified
 - Proposed or anticipated dwelling/establishment locations
 - Soils map overlay
 - Soils test locations with proposed EDF and REDF areas
 - Topography overlay
 - Locations of existing/proposed wells and water lines (including those within 100 feet of the development)

SITE EVALUATION CRITERIA

- Site evaluation results / soil types and limitations for all lots submitted and reviewed on the following areas:
 - Permeability / Restrictions / MVS / Slope –Landform Limitations / Flooding Potential / Hydric soils, wetlands, drainage features

SITE PROTECTION PLAN

- Potential actions to protect the EDF /REDF reviewed and written plan developed
- Once their locations are determined, the EDF and REDF areas shall be physically protected, in a manner dictated by the LHD that has a reasonable chance to protect the areas during construction and development activities for the Large-Flow Development.
- The EDF and REDF areas should be designated in such a manner to communicate that these areas are for sewage disposal and shall be restricted from activities.
- Describe in detail the measures to be taken to protect the EDF and REDF areas prior to and during development construction and also during individual lot development and /or dwelling/establishment construction.
- Protection actions to be implemented once locations of EDF and REDF are determined.
- Existing/proposed lot modifications reviewed and written plan developed
- Lot modifications may include but are not limited to: cut and fills, tree removal / clearing, borrow pits, soil stockpiles, drainage work.
- Review the modification impacts with respect to soil test results and proper functioning of the proposed OSS(s) to determine if a detailed evaluation by the appropriate soil professional(s) is required.
 - Cut and fill modifications (generally >12") shall be based on accepted designs as outlined in 420-3-1-.95 Lot Modification – Planned and Unplanned.
- Any lot modifications (within 25 feet of the proposed OSS or REDF) other than those identified in this review will render this review null and void.
- Lot sizes (minimum lot size or range of minimum lot sizes)
- Water Supply: Public or Private - Source identified
- OSS types and Treatment Methods Proposed: Small-Flow Systems on each lot and/or Large-Flow System for project with design parameters
- Lots _____ acceptable for Small-Flow conventional OSS (Slight limitations)
- Lots _____ acceptable for Small-Flow shallow conventional OSS (Moderate limitations)
- Lots _____ acceptable for Small-Flow engineered OSS (Severe limitations)
- Lots _____ May require engineered system and possibly advanced treatment (Extreme limitations)
- Lots _____ May not be suitable for OSS (Extreme limitations)

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APPLICATION FOR LARGE FLOW DEVELOPMENT

(A DEVELOPMENT WITH A SYSTEM OR SYSTEMS OF COMBINED FLOW OVER 1,800 GPD or 13 BEDROOMS OR MORE)

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SECTION A

FINAL SITE DEVELOPMENT PLAN (SDP)

Part 3

To Be Completed and Signed By the Owner/Responsible Person and Engineer*

Name of Development or Establishment _____

Property Size/Acres: _____ Section _____ T _____ R _____

_____, _____
Last Name(Responsible Person) First Name Title

_____, _____, _____, _____, _____
Address City State ZIP Telephone #

_____, _____
Fax # E-Mail

Directions to Site _____

TYPE DEVELOPMENT

Dwellings Establishments Number of Lots/Spaces _____

Large-Flow Development with Small-Flow systems Lot size _____

Large-Flow Development with Large-Flow system(s)

ATTACHMENTS

Final Development Plat with professional signatures and seals

Final site evaluation results

Site Development Plan (SDP)

Protection measures of EDF/REDF

Existing / Proposed site or lot modifications

I acknowledge that the above items marked have been submitted to the County Health Dept. and that this application constitutes a request for completion of Part 3 of the Site Development Plan.

Responsible Person (Please Print): _____

Responsible Person's Signature: _____

Date: _____

*This application shall be signed by the individual meeting the requirements of Rule 420-3-1-.45 Signatories to a Permit Application and Report and See Rule 420-3-1-.54 Recording Requirements

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SECTION A Part 3 Site Development Plan FINAL SDP WORKSHEET

Name of Development or Establishment: _____ County Health Department _____

Local Health Department Contact: _____ Phone no. _____

Soil Professional/Engineer: _____ Phone no. _____

The following items should be submitted to the LHD for review and discussion as outlined in Chapter 420-3-1 to meet the requirements of the Part 3 Final Site Development Plan:

SITE EVALUATION CRITERIA

- Final site evaluation results / soil types and limitations for all lots (submit on Final Plat or separately)
 - Permeability / Restrictions / MVS / Slope –Landform Limitations / Flooding Potential / Hydric soils, wetlands, drainage features
 -

FINAL DEVELOPMENT PLAT

- Final property plat drawn to scale with lot and street layout including:
 - Lot sizes/dimensions/configurations (net and gross square footage)
 - Easements identified
 - Setback/Separation distances.
 - Location of any surface waters, hydric soils, frequently flooded areas, existing or proposed surface or subsurface drainage features, storm water retention areas, in-ground swimming pools on the property or within 50ft. of any part of EDF/REDF
 - Locations of existing/proposed wells and water lines (including those within 100 feet of the development)
 - Locations of landfills, dumps, surface mining operations, caves/sinkholes on the property and within 300ft
 - Location of sanitary sewer systems, underground utilities and easements, public water sources, water lines serving or within 500ft of property line
 - Locations of proposed or existing dwellings, structures, or establishments on the property
 - Soils test locations with proposed EDF and REDF areas
 - Soils map overlay
 - Topography overlay
 - Property elevations and slopes (two foot maximum contours) specifically designating areas of slope greater than 25 percent
 - Professional signatures and seals.

SITE PROTECTION PLAN

- Site Protection Plan (SPP)** submitted in writing on Final Plat or attached separately **addressing the following:**
- Written plan developed and submitted for protection of the EDF / REDF prior to and during development construction
 - Once their locations are determined, the EDF and REDF areas shall be physically protected, in a manner dictated by the LHD that has a reasonable chance to protect the areas during construction and development activities for the Large-Flow Development.
 - The EDF and REDF areas should be designated in such a manner to communicate that these areas are for sewage disposal and shall be restricted from activities.
 - Describe in detail the measures to be taken to protect the EDF and REDF areas prior to and during development construction and also during individual lot development and /or dwelling /establishment construction.
 - Protection actions to be implemented once locations of EDF and REDF are determined.
- Written plan developed and submitted for existing / proposed lot modifications
 - Lot modifications may include but are not limited to: cut and fills, tree removal / clearing, borrow pits, soil stockpiles, drainage work. Submit a detailed evaluation by the appropriate soil professional(s) as required to review the modification impacts with respect to soil test results and proper functioning of the proposed OSS(s).
 - Cut and fill modifications (generally >12") shall be based on accepted designs.
 - Any lot modifications (within 25 feet of the proposed EDF or REDF) other than those identified in this review will render this review null and void.

FINAL RECOMMENDATIONS

- Recommendations submitted for OSS types and Treatment Methods: Small-Flow Systems on each lot and/or Large-Flow System for project with design parameters
 - Lots _____ acceptable for Small-Flow conventional OSS (Slight limitations)
 - Lots _____ acceptable for Small-Flow shallow conventional OSS (Moderate limitations)
 - Lots _____ acceptable for Small-Flow engineered OSS (Severe limitations)
 - Lots _____ May require engineered system and possibly advanced treatment (Extreme limitations)
 - Lots _____ May not be suitable for OSS (Extreme limitations)
- Health Department statement on plat to be recorded.

System Name: _____

PART 2: SYSTEM DESIGN INFORMATION- TO BE COMPLETED BY ENGINEER

WASTEWATER

Provide a description of the collection, treatment and disposal plan, including the calculations on which it is based, the pollutants that will enter the treatment facility and the prediction of the pollutants that will be discharged from the treatment facility. Residential Waste shall be assumed equivalent to 2 people per bedroom at 0.2 lbs BOD per person (0.4 lbs BOD total).

Brief description of project: _____

Sewage
of Dwellings: _____ Total # of bedrooms: _____ # of Spa/Hot Tubs: _____ other: _____
Total Flow _____ gpd

High Strength Sewage (if yes, characterize Influent below)

Influent

Average Daily Flow in gal/day _____ Max Daily flow in gal/day _____
Average Daily BOD in lbs/day _____ Max Daily BOD in lbs/day _____
Average Daily TSS in lbs/day _____ Max Daily TSS in lbs/day _____
Average Daily NH₄ in lbs/day _____ Max Daily NH₄ in lbs/day _____

Source of Information (Rationale) for Flow and Influent Characteristics: _____

Treatment
(prior to disposal)

Primary (Septic Tank) Secondary or better (Advanced)

Treatment System Description: _____

Effluent

Average Daily BOD in lbs/day _____ Max Daily BOD in lbs/day _____
Average Daily TSS in lbs/day _____ Max Daily TSS in lbs/day _____
Average Daily NH₄ in lbs/day _____ Max Daily NH₄ in lbs/day _____

System Name: _____

Placement

- Conventional Field (24" – 60" in original soil)
- Engineered Mound
- Other: _____

- Shallow Conventional (12 – 24" in original soil)
- Engineered Controlled Fill

If available – Latitude (deg./min./sec.) _____ Longitude (deg./min./sec.) _____

Disposal Medium

- Gravel
- Drip
- Other _____

Provide field sizing calculations.

OPERATOR (if known at this time)

Name	Title			
Address	City	State	ZIP	Telephone #

ENGINEER'S SIGNATURE

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' and if applicable will conform to the design and testing requirements set out in the Minimum Construction and Testing Standards For Cluster and Community Wastewater Systems. 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

Name	AL Registration #	Eng Firm Name			
Address	City	State	ZIP	Telephone #	Fax #

OTHER PERMITS

List Permit numbers for applicant's previous NPDES permits issued by ADEM, Performance-Based Permit issued by ADPH, and identification of any other state environmental permits presently held by the applicant or its parent corporation or subsidiary corporations within the state.

SECTION B
APPLICATION FOR LARGE FLOW SYSTEM WORKSHEET
(FOR A SYSTEM WITH A FLOW OVER 1,800 GPD OR 13 BEDROOMS OR MORE)

System Name _____

Site Development Plan Requirements

- A Site Development Plan (SDP) as required for Large-Flow Systems/SDP is on file at the LHD

Application Requirements for Large-Flow Systems

Note: Large-Flow Systems shall require a Performance Permit

Signed Large-Flow System application (CEP-3, Section B) consisting of the following:

- Name, physical address/location (911 address if available), mailing address, telephone numbers
- Type of business entity, name and location of applicant's parent corporation or subsidiary corporations
 - If a corporation, names and addresses of designated agent and corporate officers
 - If a partnership or proprietorship, the names and addresses of the general partners or proprietor
- Permit numbers of previous NPDES permits, Performance Permits, or other environmental permits
- Identification of any notices of violation, administrative orders, or legal actions taken by ADPH, ADEM, etc...
- Description of the treatment and disposal plan, including flow calculations and pollutants to be treated and discharged
- Detailed description of any changes or modifications not in accordance with the SDP (if applicable)
- Legal description (if different from that submitted with the SDP)
- CEP-3, Section B application completed by engineer
- Applicant shall keep complete records of permit application a minimum of 3 years or until the end of any litigation
- Applicant signature according to Rule 420-3-1-.45 Signatories to a Permit Application and Report

Plans and Specifications for Large-Flow Developments with a Large-Flow System

- A signed and sealed plat, drawn to scale, including:
 - Lot dimensions including total acreage or square footage of each lot
 - Note: If the lot is over 3 acres, only lot lines and features listed below that are within 500 feet of the OSS need be shown.
 - Final lot elevations and contours
 - Location and description known and proposed structures, driveways, parking areas, sidewalks, walls, etc...
 - A plan view of tanks, devices, traps, pump chambers, D-boxes, pipe sizes, lengths, spacing, primary and secondary EDF
 - A detailed layout of the proposed OSS including:
 - A cross-section view of the EDF and the system as a whole
 - Sequence of connections
 - Maximum/Minimum depth(s) of effluent lines, aggregate, cover, etc....
 - Benchmark (BM) location and elevation
 - Elevations of trench bottoms, pipe inverts, top of EDF, top of original ground, top of fill in relation to the TBM
 - Elevations of tank inlet/outlet, and facility plumbing stub-out, etc... in relation to the TBM
 - Plans for tanks, showing capacity, invert and elevations, access manholes and inlet and outlet details
 - Note: Built-in-place or precast tanks will include dimensions, reinforcement details, liquid depth, and other pertinent info.
 - The locations of the following:
 - Soil tests in both the primary and replacement EDF and their results
 - Surface waters, springs, wetland, swamps, marshes, hydric soils, wells, surface and subsurface drainage systems
 - Underground utilities and easements, sinkholes, caves, landfills, covered or open dumps
 - Surface mining operations on the lot and within a 200ft radius of the center of the primary and secondary EDF
 - Sanitary sewer systems and public water supply sources within 500 feet
 - Private water supplies and surface water supplies within 200 feet and water lines within 10 ft of system
 - Building foundations, basements, property lines, embankments of 2 feet or more in vertical height
 - Swimming pools, storm sewers, interceptor drains, surface drainage systems, and adjacent EDF's
- A contour map of the OSS area, compatible with the TBM, and with a maximum contour interval of 2 feet
- Location of surface and groundwater drainage systems that could potentially impact the OSS
- Explanation of system sizing and the rationale for the treatment design.
- The volume of sewage as computed from Rule 420-3-C1-.36 Design Flow and Wastewater Concentrations
 - For a Performance Permit application, the system explanation should also state:

- Reasons for choosing the design and include suggested monitoring criteria (requirements, locations, methods, etc...)
- Means of assuring the quality and integrity of the finished product, and the inspection schedules
- Operation and maintenance procedures addressing the system operator requirements
- Process and performance monitoring schedules, residual management provisions, mechanical maintenance

requirements

- Type of EDF, and field vegetative cover
- A contingency plan for effluent disposal or treatment in the event of system or power failure (if applicable)
- Treatment levels for performance-based systems indicated in the design as primary, secondary, advanced, or tertiary
- Completed by an engineer and signed by applicant.

- Plans shall include plan views for collection sewers, force mains, supply lines, clean-outs, and manhole locations
- Plans shall include utilities, wells, water lines, storm drains, surface waters, structures, roads, and traffic areas
- An operation and maintenance manual prepared by the design engineer and/or product manufacturer provided

Additional Setback/Separation for a Large System

- System complies with all setback requirements in Tables C6 and C7

Onsite Management Entities

- Does the Large-Flow System require an Onsite Management Entity for its operation?
- Is the Onsite Management Entity licensed in Alabama?

REVIEWING PROCESS OF THE SITE DEVELOPMENT PLAN

(1) The review process of a SDP shall consist of Section A Parts 1, 2, and 3. Following a review of each Part of the SDP, the LHD may provide written comment to the appropriate persons as outlined here.

(a) The proposed SDP, as a whole submittal, shall be either approved or denied after the review of all parts of the submittal.

1. Approval of the SDP indicates that the overall development plan is acceptable for the purposes of completing the planning processes of Section A, Part 1, Part 2, and Part 3, as applicable.

a. The disposition of lots, site evaluation results, soil tests sites, and/or EDF/REDF areas shall be addressed individually in the Section A, Part 2 and Part 3 findings of the review of the SDP. The LHD may approve the SDP while not approving all of the results or proposals within the SDP.

2. Disapproval of the SDP indicates that the overall development plan is not acceptable for the purposes of completing the planning process of Section A: Part 1, Part 2 and Part 3, as applicable. Reasons for the disapproval shall be specified and detailed on the Part 3 Final Site Development Report. The applicant shall be notified of the opportunity to appeal the disapproval. Such notice and appeal procedures shall comply with Rule 420-3-1-.57 Appeals.

(b) When a SDP is approved, the LHD shall provide results and recommendations on the Part 3 Final Site Development Report to the applicant as to the individual disposition of lots, site evaluation results, soil test sites(s), EDF(s)/REDF(s) and Site Protection Plan(s) as appropriate for the development and its submittal.

1. Individual lots with dwellings and Small-Flow Systems for a development that is not subdivided into lots shall be addressed as to their suitability for conventional or engineered systems as proposed.

a. When a lot or EDF/REDF site is determined to not be usable for either a conventional or engineered system, the LHD shall state the reasons for that determination. See Rule 420-3-1-.54 Recording Requirements for recording requirements for a development when a lot(s) within the development is determined to not be usable for a OSS.

b. Rule 420-3-1-.12 Time Limitations and Permitting Actions shall be the process to follow regarding the applicant's right to appeal a denial of use of a lot or EDF/REDF site.

2. Large-Flow systems shall be addressed by the LHD as to their suitability as proposed in form CEP-3, Section B, Parts 1 & 2 and the permitting of the system shall be addressed by the LHD and the Department when form CEP-3, Section B, Parts 1 & 2 and accompanying documents are submitted. The LHD will issue a Permit To Install and the Department will issue a Performance Permit once the design and documentation in the submittal are determined to be in compliance with these Rules.

(2) If in the course of the review process or after the issuance of the Permit To Install/Repair, it is discovered that the site or lot was improperly classified, or that the site/lot has been altered in a way inconsistent with the SDP, the site/lot approval and Permit To Install/Repair is subject to review/revocation by the LHD, and corrective measures may be required.

(3) If approved, the final development plat, containing any covenants or restrictions (including the areas reserved for the EDF/REDFs), shall be recorded in accordance with Rule 420-3-1-.54 Recording Requirements, and local subdivision and planning regulations in the Plat book in the Judge of Probate's Office, and a copy provided to the LHD.

(4) The SDP approval shall remain valid for ten years from the date of approval as long as conditions of the approval and circumstances under which it was issued do not change.

(5) If individual lots in a Large-Flow development (subdivision) are to be sold in any condition short of ready-for-occupancy (undeveloped or partially developed) at a minimum the developer shall prepare a SDP. Any modification of or building development on the lots shall be in accordance with the approved SDP. Subsequent lot owners wishing to change any provision of the approved SDP shall first apply to the LHD and receive approval to do so.