

Title 15: Mississippi State Department of Health

Part 18: On-site Wastewater

Subpart 77: On-site Wastewater Regulations

Chapter 2. CERTIFICATION

Rule 2.1 Certification. All persons receiving a certification by the Department must be in compliance with all statute and rules. No person may operate as a Certified Manufacturer, Certified Professional Evaluator, Certified Installer, Certified Pumper or Qualified Homeowner Maintenance Provider unless certified or recognized by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.2 Definitions. The definitions in this Chapter apply as stated unless otherwise specified.

1. Advanced Treatment System – Individual On-site Wastewater Treatment Systems that complies with **Section 41-67-10**.
2. Alternative techniques/technologies – a technique or technology used to achieve acceptable treatment and dispersal of wastewater through advanced treatment schemes as deemed by the Department.
3. Authorized Representative – an organization, group, individual, or other entity that is authorized by the manufacturer to distribute, sell, install, or service residential wastewater treatment systems.
4. Certification – the act of confirming competency to design, construct, maintain, install, removal and/or disposal of sludge and liquid waste from Individual On-site Wastewater Disposal Systems.
5. Certification Training Program – a program developed by the Department to confirm competency to design, construction, installation, repair, maintenance, operation, and removal and disposal of liquid waste of Individual On-Site Wastewater Disposal Systems.
6. Certified Installer – any person who has met the requirements of **Section 41-67-25** and subsequent rules.
7. Certified Manufacturer – a person authorized to operate a business in or do business in the State of Mississippi that develops, designs and fabricates Individual On-site Wastewater Disposal Systems and their components.
8. Certified Professional Evaluator – any person who has met the requirements of **Section 41-67-37** and subsequent rules.

9. Certified Pumper – any person who has met the requirements of **Section 41-67-39** and subsequent rules.
10. Cleaning – the removal and transportation of septage or other liquid waste from an onsite sewage treatment and disposal system or Portable Toilet (Self-contained) to an approved disposal location.
11. Components – all physical, mechanical, and electrical components of any wastewater disposal system.
12. Continuing Education Unit (CEU) – an educational course provided through the Department or other entities approved by the Department for the purpose of meeting continuing education and/or Professional Development Hours (PDH) required for the Certified Professional Evaluator/Environmentalist, Certified Installer, and Certified Pumper.
13. Conventional System – an Individual On-Site Wastewater Disposal System consisting of a septic tank and subsurface disposal field.
14. Distributor – a person authorized by the Certified manufacturer to sell any registered product to authorized Certified Installer(s) in the State of Mississippi.
15. Errors and Omission – coverage protecting the insured against legal liability resulting from negligence, carelessness or a failure to act causing property damage or personal injury to others. Coverage may include burglary and theft.
16. Fabricator – a person authorized by the Certified Manufacturer to build or construct a registered product or component for the purposes of treating or disposing of wastewater in the State of Mississippi.
17. General Business Liability Insurance – coverage protecting the insured against legal liability resulting from negligence, carelessness or a failure to act causing property damage or personal injury to others. Coverage may include burglary and theft.
18. Lime – a dry white powder consisting essentially of calcium hydroxide that is made by treating quicklime with water.
19. Maintenance – the inspecting and evaluating of an Advanced Treatment System. The replacement of any component registered with a specific Advanced Treatment System (i.e. aerator, diffuser, control panel, etc.).
20. Monitoring Visit – an inspection performed by the third party certifier to ensure that the manufacturer, distributor and installer are complying with *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40* requirements.

21. Person – any individual, trust, firm, joint-stock company, public or private corporation (including a government corporation), partnership, association, state, or any agency or institution thereof, municipality, commission, political subdivision of a state or any interstate body, and includes any officer or governing or managing body of any municipality, political subdivision, or the United States or any officer or employee thereof.
22. Portable Toilet (Self-Contained) – a single or multi-unit toilet and holding tank system combination that is required to be collected, removed, transported and disposed by a Certified Pumper.
23. Qualified Homeowner Maintenance Provider – a person who has received authorization by a Certified Manufacturer to maintain/service his/her Advanced Treatment System at their current property address and has met the requirements of subsequent rules.
24. Registered Professional Engineer – any person who has met the requirements under **Section 73-13-23(1)** and who has been issued a certificate of registration as a professional engineer.
25. Surety – a three-party agreement where the insurer agrees to pay a second party (the obligee) or make complete an obligation in response to the default, acts or omissions of a third party (the principal).
26. Third Party Certifier – a certifying program accredited by the *American National Standards Institute (ANSI)*, which complies with **Section 41-67-10**.

Source: *Miss Code Ann § 41-67-3*

Rule 2.3 **Certified Manufacturers.** A person may not operate or be engaged in the business of manufacturing, fabricating or distributing any Individual On-site Wastewater Disposal System or component in the State of Mississippi unless they hold a valid license issued by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.4 **Products.** The following items must be registered by the Department:

1. Treatment
 - a. Advanced Treatment Systems
 - b. Septic Tanks
 - c. Non-water borne Systems
 - d. Alternative Techniques/Technologies

2. Disposal
 - a. Aggregate Replacement
 - b. Drip Irrigation
 - c. Spray Irrigation
 - d. Alternative Techniques/Technologies
3. Disinfection Device(s)
4. Effluent Filter

Source: *Miss Code Ann § 41-67-3*

Rule 2.5 Registration. All manufacturers wishing to be registered must submit the following information for review to the Division:

1. Application
2. Electronic or detailed drawing(s), with construction material(s)
3. Installation and/or homeowner manual(s) for each product
4. Documentation listing and identifying of the following:
 - a. Certified Installer(s)
 - i. Install
 - ii. Maintain/Service
 - b. Distributor(s)
 - c. Fabricator(s)
 - d. Technical Training Staff
5. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.6 Product Specifics. Each product to be registered requires the following additional documentation:

1. Treatment

b. Advanced Treatment System

- i. All Advanced Treatment Systems and other treatment technologies must be tested and listed by a third party certifying program. Such advanced treatment systems shall be in compliance with standards for Class I systems as determined by the most current revision of *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40*, hereby incorporated by reference.
- ii. Documentation, from a Third Party Certifier accredited by the *American National Standards Institute*, must prove the product has successfully completed the testing and listing process as outlined *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40/245*.
- iii. Submit completed reports on testing and evaluation of each Advanced Treatment System verifying compliance with *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40/245*. Such reports shall include but not be limited to the following:
 1. Materials
 2. Design and construction
 3. Performance requirement (BOD, TSS, pH), etc.
 4. Operation and maintenance
- iv. All Third Party Certifiers notify the Division of inspection procedure, which representative(s) to a minimum of 1 distributor of each manufacturer in Mississippi on an annual basis to conduct evaluation to assure the distributor is providing proper maintenance, has sufficient replacement parts available and is maintaining service records.
- v. All Third Party Certifiers must notify the Division of the results of monitoring visits to manufacturer and distributors within 60 calendar days of the conclusion of the monitoring.
- vi. All Third Party Certifiers must be disassociated with, and have no vested interest in, the manufacturer to which certification services are provided.

- vii. Each manufacturer must have established procedures which send representatives to a minimum of 10% of its distributors in Mississippi on an annual basis to conduct evaluations to assure the distributor of certified Advanced Treatment Systems is providing proper maintenance, has sufficient replacement parts available and is maintaining service records. Annual monitoring reports, from the manufacturer and Third Party Certifier must be submitted to the Division prior to re-registration.
- viii. Construction and reinforcement must comply and conform to applicable Design Standard
- b. Septic Tanks
 - i. The Division shall consider the review of, plans, specifications, and construction criteria and shall determine them to be in compliance with the regulation prior to manufacturing, fabricating, distributing and selling, as well as conduct an on-site inspection.
 - ii. Design, construction and reinforcement must comply and conform to applicable Design Standard
- c. Non-waterborne System
 - i. Documentation, from a Third Party Certifier accredited by the *American National Standards Institute*, must prove the product has successfully completed testing and listing process as outlined in *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 41*, hereby incorporated by reference.
- d. Alternative techniques/technologies
 - i. The Division shall consider the review of plans, specifications, and construction criteria and shall determine them to be in compliance with the regulation prior to manufacturing, fabricating, distributing and selling, as well as conduct an on-site inspection.
 - ii. Alternative Wastewater Technology – Treatment and/or disposal systems/products must be documented, reviewed and by the Division to verify compliance with the applicable standards.
- 2. Disposal
 - a. All Certified Manufacturers must provide a copy of installation and/or homeowner manual(s) for each of their products to the Certified Installer.

- b. All Certified Manufacturers must provide a copy of hydraulic calculations for pressurized systems, this includes but not limited to, Drip Irrigation, Spray Irrigation, Elevated Sand Mound, and normally gravity-fed dispersal systems that would have to be pressurized.
- c. List of all component parts authorized for use in the installation of the product including but not limited to, elbows, connectors, geo-textile fabric, end caps and methods of equal distribution, etc.
- i. Product Specifics. Each product requires the following:
 - a. Aggregate Replacement System – The Division shall review, including an on-site inspection(s) if deemed necessary, the plans, specifications and construction criteria and shall determine them to be in compliance with the regulation. The Division shall require a complete design from treatment to disposal for the minimum and maximum sized system, this shall also include, pump chamber, pump chamber alarm(s), pump(s), filter(s), valve(s), air release(s), aggregate replacement product and connector(s).
 - b. Drip Irrigation – The Division shall review, including an on-site inspection(s) if deemed necessary, the plans, specifications and construction criteria in order to determine compliance with the regulation. The Division shall require a complete design from treatment to disposal, this shall also include, pump chamber, pump chamber alarm(s), pump(s), filter(s), valve(s), air release(s), tubing and connector(s). Hydraulic calculation must be submitted for the minimum and maximum sized system.
 - c. Spray Irrigation – The Division shall review, including an on-site inspection(s) if deemed necessary, the equipment intended to be utilized in the construction of spray irrigation systems to verify compliance with the regulation. The Division shall require a complete design from treatment to disposal, to include, pump chamber, pump chamber alarm(s), pump(s), filter(s), valve(s), spray head(s) and connector(s). Hydraulic calculation must be submitted for the minimum and maximum sized system.
 - d. Alternative techniques/technologies – All alternative wastewater treatment and/or disposal systems/products must be documented and reviewed by the Division to verify compliance with the applicable standards.

3. Disinfection Device(s)

- i. The Division shall consider the review, of plans, specifications and construction criteria and shall determine them to be in compliance with regulation prior to manufacturing, fabricating, distributing and selling, as well as conduct an on-site inspection
4. Effluent Filter
- i. Documentation, from a Third Party Certifier accredited by the *American National Standards Institute*, must prove the product has successfully completed testing and listing process as outlined in *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 46*, hereby incorporated by reference.
 - ii. Design and construction must comply and conform to applicable Design Standard

Source: *Miss Code Ann § 41-67-3*

Rule 2.7 Responsibilities of Certified Manufacturers. All manufacturers must comply and conform to all rules and Regulation(s) and the *National Sanitation Foundation/American National Standard Institute Standard 40*, hereby incorporated by reference.

- 1. In addition to, the following documentation must be provide to the Division:
 - b. Testing and listing of manufacturers of Advanced Treatment Systems
 - b. Maintenance agreement for any Advanced Treatment System, with a copy of the maintenance agreement outlining the type of service, length of service and frequency of service to be provided
 - b. Results of monitoring visits to manufacturers and distributors within 60-calendar days of the conclusion of the monitoring
 - b. Name(s) of technical training staff for utilization during the on-site maintenance training program for all Advanced Disposal Systems
 - b. Name(s) of Certified Installer(s) of Advanced Treatment Systems or products has received the necessary training as an authorized representative

Source: *Miss Code Ann § 41-67-3*

Rule 2.8 Responsibilities of Fabricators. All fabricators must comply and conform to all rules and regulation and Certified Manufacturer requirements.

In addition to, the following must be provided to the Division:

1. Concrete purchases, concrete providers, type(s) of reinforcement and date of fabrication
2. Ensure registration ID number is located per Certified Manufacturer specification
3. Annual inspection report from Certified Manufacturer
4. Provide a list of Distributors and Certified Installers authorized by the Certified Manufacturer to install the product.

Source: *Miss Code Ann § 41-67-3*

Rule 2.9 Expiration. Manufacturer certifications shall expire on **December 31**, unless suspended or revoked.

Source: *Miss Code Ann § 41-67-3*

Rule 2.10 Renewal. A Certified Manufacturer may apply for renewal not more than 60 calendar days prior to the expiration of certification. **Note:** If more than 31-calendar days have elapsed, the Department shall require provisions of initial certification. Any person applying for renewal shall file with the Division the following:

1. Application
2. Documentation listing and identifying of the following:
 - a. Certified Installer(s)
 - i. Install
 - ii. Maintain/Service
 - b. Distributor(s)
 - c. Fabricator(s)
 - d. Technical Training Staff
3. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.11 Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

1. Informal fact finding conference

- b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
2. Administrative Hearing (District)
- b. The Division will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
 - ii. The certificate holder must submitting a written request, to the Hearing Office within 10-calendar days from date of receipt of notice of revocation or suspension or action is sustained
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
 - iv. Conduct hearing with or without certificate holder
 - v. Mail decision of Hearing Officer to all parties within 10-working days
3. Administrative Hearing (State)
- b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with or without certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days
4. Judicial Review. In case of an adverse decision, the appellant will be advised of the right to pursue judicial review.

- i. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.12 Penalties. Any Certified Manufacturer found guilty in an Administrative Hearing may be penalized by 1 or more of the following:

1. Violation of statute(s), falsification of documentation or acts of misrepresentation
 - a. Immediate revocation of certification
 - b. Removal of listing of Fabricators, Distributors and Certified Installers
 - c. Notification of Third Party Certifier
 - d. Correct, if necessary, any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
2. Violation of rule(s) or orders of the Board
 - a. Suspension of certification
 - e. Removal of listing of Fabricators, Distributors and Certified Installers
 - f. Notification of Third Party Certifier
 - b. Correct, if necessary, any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint

Source: *Miss Code Ann § 41-67-3*

Rule 2.13 Reinstatement. If any person whose certification has been revoked must repeat initial certification no sooner than 2 years after the effective date of the revocation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.14 **Certified Professional Evaluators.** A person may not be engaged in the business relating to the design, construction or installation of any Individual On-Site Wastewater Disposal Systems in this state unless that person has a valid license issued by the Department, except a registered Professional Engineering licensed by the State of Mississippi. Any system proposed for authorization in accordance with performance standards must be designed and certified by a Professional Engineer registered in the State of Mississippi.

Source: *Miss Code Ann § 41-67-3*

- Rule 2.15 Pre-requisites. Any person wishing to become a Certified Professional Evaluator must provide documentation to the Department, that he/she meets 1 of the following:
1. Be a professional Geologist registered in the State of Mississippi;
 2. Be a Professional Soil Classifier licensed in the State of Mississippi; or
 3. Be a person who possesses a demonstrable, adequate and appropriate record of professional experience and/or training as determined by the Department. The eligibility will be based on the following:
 - a. Inquiries, investigations and/or interviews with respect to the qualifications and all references, etc. to confirm the information supplied.
 - b. An Applicant not meeting the minimum pre-requisites for certification, shall be sent written notification, by certified mail or hand delivered, stating the reasons for denial of the certification. The notice of denial shall also state that the Applicant has the right to a hearing to challenge the certification denial. Any request for a hearing must be received by the Department within 30-calendar days of the affected party's receipt of written notice of the decision.
 - c. Applicants who have been determined ineligible for any reason may request further consideration by submitting, in writing, evidence of additional qualifications, training, or experience to the Department for further review.
 4. All Applicants found to be eligible will be notified of trainings provided by the Department.

Source: *Miss Code Ann § 41-67-3*

- Rule 2.16 Application. All persons wishing to be certified must submit the following information to the Division:
1. Application
 2. Copy of state registration or license from appropriate board or record of professional experience or training
 3. 3 professional references
 5. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.17 Training Program and Examination. All persons found eligible for certification as a Professional Evaluator must complete the following:

1. Basic Soils Training will be a 1-week field course focusing on soil principles and evaluation techniques, specifically focusing on evaluating soils for use with on-site wastewater disposal.
2. Advanced Soils Training will be a 2-day field course with the candidate in the location or area of expertise. General soil conditions of the specific area will be reviewed.
3. Basic Design training will be a 1-week field course focusing on the design, placement, installation, operation and maintenance of on-site systems.
4. Advanced Design training will be a 2-day field course focusing with the candidate in the location of area of expertise. General design, placement, installation, operation and maintenance will be review.
5. Pass the 8-hour examination.

Source: *Miss Code Ann § 41-67-3*

Rule 2.18 “Probation” Certification. All Applicants wishing to receive a certification must complete the following:

1. Received a score 80% or better on 8-hour exam
2. Copy of Errors and Omissions policy

Source: *Miss Code Ann § 41-67-3*

Rule 2.19 Certification. All Applicants wishing to receive a certification must complete the following:

1. All items under the Probation Certification
2. Received authorization of 5 designs
3. Receive a score of 80% or better on quality assurance review

Source: *Miss Code Ann § 41-67-3*

Rule 2.20 Responsibilities. All persons holding a Probation or Permanent certification, or engaging in the business of designing, constructing or installing an Individual On-site Wastewater Disposal System, shall abide by the following:

1. Provide complete information, including all applicable requirements and regulations on all systems recommended to the owner, lessee or developer which shall have the right to choose among systems.

2. Notify the Department at least 24-hours before beginning construction of an Individual On-site Wastewater Disposal System and, at that time, schedule a time for inspection of the system with the appropriate county Department of Health.
3. Provide a copy to the Division of signed Affidavit-Installation and Affidavit-Maintenance, if applicable
4. Furnish proof of certification to a property owner or the owner's representative of the property before performing a site and site evaluation of the property on which an individual on-site wastewater disposal system is to be designed, constructed, repaired or installed by the Certified Professional Evaluator and to the Department or its authorized representative, if requested.
5. Notify the Department of any change in address, business partnership or affiliation, or any other status that affects his standing as a Professional Evaluator. Such notice must be in writing and must be delivered to the Department within 10-working days.
6. Shall not knowingly associate in a business venture with, or permit the use of the Professional Evaluator's name or firm name by, any person or firm where there is reason to believe that person or firm is engaging in activity of a fraudulent or dishonest nature or is violating any law or regulations of the Department.
7. Shall not utilize the evaluations, design, drawings or work of other Certified Professional Evaluator without knowledge and written consent of the party that originated the design, drawings or work. In the event that the Certified Professional Evaluator who generated the original document is no longer employed by the firm retaining ownership of the original documents or is deceased, another Certified Professional Evaluator who is a partner or officer in the firm retaining ownership of the original documents may authorize utilization of the original documents by another Certified Professional Evaluator or firm. This fact must be disclosed to the Department when submitting applications supported by Certified Professional Evaluator materials and certifications.
8. Utilizing information in the Department's files or has received permission to modify or otherwise utilize the evaluation, design, drawings or work of another Certified Professional Evaluator, the Certified Professional Evaluator may certify that work only after a thorough review of the evaluation, design, drawings or work and after he determines that he is willing to assume full responsibility for all design, drawings or work on which he relies for his opinion.
9. Shall not knowingly fail to disclose a material fact requested in connection with an application submitted to the Department by himself or any other individual or business entity for certification, renewal or reinstatement.

10. Shall promptly and fully inform an employer or client of any business association, interest, or circumstance or circumstances that may influence the Certified Professional Evaluator's judgment or the quality of service.
11. Shall not certify a site evaluation and/or design unless such evaluation and/or design comply with the minimum requirements of the law and such certification and/or design is produced in accordance with this chapter. A Certified Professional Evaluator shall make a good faith effort to secure complete, accurate, and timely information regarding site and soil conditions, including relevant factors on adjacent parcels, including but not limited to utilities, water supplies, and other sewage systems.
12. Shall certify that all information submitted is true and correct to the best of his knowledge and shall be required to be aware of all information in agency files pertaining to the site he is certifying.
13. Attend 4-hours of Continuing Education/Professional Development Hours within each calendar year.

Source: *Miss Code Ann § 41-67-3*

Rule 2.21 Submittal Review

1. Application
 - a. The Certified Professional Evaluator must submit a Notice of Services with evaluation and design documentation.
 - b. Incomplete or substandard information, in any manner, shall be returned to Applicant. The Applicant and Certified Professional Evaluator will be notified of any deficiencies. If an application has been returned, the Applicant or his agent may submit a new application to correct the deficiency or deficiencies contained in his first application. If the application is received within 45-days of the first, the Division will waive all fees associated with the new application. This waiver may be granted not more than once per site.
2. Soil and Site Evaluation
 - a. All soil and site evaluation reports submitted to the Department shall be in a form approved by the Division, shall contain the minimum information specified by the Division, and shall be certified as fully complying with the Regulations. A statement approved by the Department shall be used to certify that a site evaluation and/or design comply with the Board's regulations for on-site sewage systems. No approval shall be granted pursuant to this chapter for any site that has not been certified by a Certified Professional Evaluator.

- b. Additional information may be included with a Certified Professional Evaluator submission in order to facilitate processing the application. However, for the purposes of a Certified Professional Evaluator certifying that an evaluation and/or design complies with the Regulations and “deemed approvable” only those requirements contained in the regulations are considered to apply unless a local government has requested the Department to implement a more restrictive local ordinance. Wastewater system sites proposed for use must be defined in a manner that allows them to be identified on the plat with the accuracy and precision of 3 feet or less.
 3. Design
 - a. Property address
 - b. Legal description
 - c. Type of treatment
 - d. Type of disposal
 - e. Plat showing 5-foot contours, location and/or dimensions of: Water supply, residence, property, sensitive waters (if applicable), and setbacks
 - f. Soil Profile Sheet and location of each soil boring
 4. Provide 2 sets of construction drawings and specifications for the recommended system in accordance with statutes and regulations;
 5. Stamp and certify that the site and soil conditions and design conform to the Regulations.
 6. Field Analysis

The Department may conduct a field analysis, as deemed necessary to protect public health, and to insure licensure integrity. Whenever a field analysis is performed, the Department shall make a record of the results.

Source: *Miss Code Ann § 41-67-3*

Rule 2.22 Authorization. All Individual On-site Wastewater Disposal Systems must be review for compliance with rules and regulations of the Department. Construction or installation shall not begin prior to written response by the Department. The Department shall respond within 10 working days with a written response that the Individual On-site Wastewater Disposal System does or does not fulfill the requirements of the law and regulations.

Source: *Miss Code Ann § 41-67-3*

Rule 2.23 Expiration. All certification issued to Professional Evaluator shall expire on **June 30**, unless revoked or suspended.

Source: *Miss Code Ann § 41-67-3*

Rule 2.24 Renewal. A Certified Professional Evaluator may apply for renewal not more than 60 calendar days prior to the expiration of certification. **Note:** If more than 31-calendar days have elapsed from the expiration of the most recent certification, the Department shall require an Applicant to comply with the provisions of initial certification. Any person applying for renewal shall file with the Division:

1. Application
2. Proof of Errors and Omissions Policy or Surety
3. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.25 Hearing and Appeals. Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

1. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
2. Administrative Hearing (District)
 - b. The Division will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail

- ii. The certificate holder must submitting a written request, to the Hearing Office within 10-calendar days from date of receipt of notice of revocation or suspension or action is sustained
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
 - iv. Conduct hearing with or without certificate holder
 - v. Mail decision of Hearing Officer to all parties within 10-working days
- 3. Administrative Hearing (State)
 - b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with or without certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days
- 4. Judicial Review. In case of an adverse decision, the appellant will be advised of the right to pursue judicial review.
 - a. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Department.

Source: *Miss Code Ann § 41-67-3*

- Rule 2.26 Penalties. Any Professional Evaluator found guilty in an Administrative Hearing may be penalized by 1 or more of the following:
- 1. Violation of statute(s), falsification of documentation, acts of misrepresentation or failing to maintain 90% accuracy on quality assurance review
 - a. Immediate revocation of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - 2. Violation of rule(s) or orders of the Board

- a. Suspension of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
3. If any person operates in the state as a Certified Professional Evaluator without certification by the Board, the Board, after due notice and opportunity for a hearing, may impose a monetary penalty not to exceed Ten Thousand Dollars (\$10,000.00) for each violation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.27 Reinstatement. Any person whose certification has been revoked must repeat initial certification no sooner than 2 years after the effective date of the revocation.

Source: *Miss. Code Ann. § 41-67-3*

Rule 2.28 **Certified Installer.** A person may not be engaged in the business of installing, constructing, repairing or replacing any Individual On-Site Wastewater Disposal Systems in this state unless that person has a valid license issued by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.29 The property owner may install a Individual On-site Wastewater Disposal System consisting of a registered septic tank and aggregate disposal if recommended by the Department for his/her primary residence and must comply with all Rules except, 2.31, 2.32, and 2.33

Source: *Miss Code Ann § 41-67-3*

Rule 2.30 Registration. Any person wishing to become a Certified Installer must provide the Department with the following:

- 1. Application, selecting
 - a. Septic Tank
 - i. Aggregate
 - ii. Aggregate Replacement
 - iii. Elevated Sand Mound
 - b. Advance Treatment System
 - i. Overland

- ii. Spray Irrigation
- iii. Drip Irrigation

2. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.31 Training and Examination. All persons found eligible for certification as a Certified Installer must pass examination and attend Septic Tank (1-day) and/or Advanced Treatment System (1-day) course(s) in addition to field inspection of installation by the Division.

Source: *Miss Code Ann § 41-67-3*

Rule 2.32 Documentation and Fee. Within 30-days of passing the examination, the Certified Installer must submit:

- 1. General Business Liability Insurance
- 2. Fee (Probationary Certificate)

Rule 2.33 Probationary Certification. Any person receiving a certification must install 3 Individual On-site Wastewater Disposal Systems as indicated from a Permit/Recommendation and be inspected by the Division with no deficiencies indicated on Inspection (Form 305). Probationary status will remain in effect until person is deemed competent by the Division.

Source: *Miss Code Ann § 41-67-3*

Rule 2.34 Certification. Any person that has completed all requirements under the Probationary Certificate and provided copy of endorsement(s) from Certified Manufacturer(s), with exception to Aggregate will be certified as an Installer with all rights and privileges.

- 1. Certificates issued in accordance with this regulation shall not be transferable. Nothing within this regulation shall be construed to limit the power of any municipal, county, or governmental entity to enforce other license requirements or additional measures for the restrictions of persons in the business of constructing, installing, repairing and replacing any Individual On-Site Wastewater Disposal System(s).

Source: *Miss Code Ann § 41-67-3*

Rule 2.35 Responsibilities for Installation. Any person holding a certification as a Certified Installer must comply with the following:

1. Furnish proof of certification to a property owner, lessee, the owner's representative or occupant of the property on which an Individual On-Site Wastewater Disposal System is to be designed, constructed, repaired or installed by that Certified Installer and to the Department or its authorized representative, if requested.
2. May not design, construct or install, or cause to be designed, constructed or installed an Individual On-site Wastewater Disposal System that does not comply with this chapter and rules and regulations of the Board.
3. Notify the Department at least 24-hours before beginning construction of any Individual On-site Wastewater Disposal System and, at that time, schedule a time for inspection of the system with the Department.
4. Shall be present on the jobsite at the time of the scheduled inspection.
5. Shall not covering his work with soil or other surface material unless the installer has received authorization to cover the system after an inspection by a county Department of health inspector, or unless a health inspector does not arrive for inspection after 24-hours from the notification to the Department before beginning construction, in which case, an installer must submit an affidavit of proper installation to the Department for final approval.
6. Provide Homeowner Manual on all Advanced Treatment Systems and registered disposal products to property owner at time of installation and/or inspection.
7. Provide a signed affidavit from the Certified Installer, or Certified Professional Evaluator installation is in compliance with all requirements, regulations and permit conditions. The Affidavit must be given to the Applicant of the Notice of Intent within 30-days of the inspection.
8. Pay the require re-inspection fee, if applicable.
9. Attend 4-hours of Continuing Education per calendar year.
10. Notify the Division within 10-working days of any change in address, business partnership or affiliation, or any other status that affects his/her standing as a Certified Installer. Such notice must be in writing and must be delivered to the Division as soon as practicable after the effective date of the change. This information can be mailed, faxed or emailed.
11. Comply with *National Sanitation Foundation/American National Standard Institute Standard 40* specifically Sections 6.1, and Annex A as an authorized representative.

Rule 2.36 Responsibilities for Servicing. Any person holding a certification as an Certified Installer must comply with the following:

1. Comply with *National Sanitation Foundation/American National Standard Institute Standard 40 Annex A*, specifically A.2, if applicable to registered product(s).
2. Provide maintenance reports 2 times a year to property owner and annually to the Department containing the following:
 - a. Date of inspection and evaluation of Individual On-Site Wastewater Disposal Systems to determine if they are compliant with manufacturer's specifications.
 - b. Date and type of repairs made to the Individual On-site Wastewater Disposal System.
 - c. Date of issuance of inspection reports to property owners on a biannual basis from date of contract.
3. Provide the property owner with a continuing maintenance agreement on all Advanced Treatment Systems in perpetuity after the 2/3-year initial servicing, if requested.
4. Provide an initial sample contract to the Department, when requested.

Source: *Miss Code Ann § 41-67-3*

Rule 2.37 Expiration. All Certified Installers certifications shall expire **June 30**, unless suspended or revoked.

Source: *Miss Code Ann § 41-67-3*

Rule 2.38 Renewal. A Certified Installer may apply for renewal not more than 60-calendar days prior to the expiration of his certification. **Note:** If more than 31-calendar day have elapsed from the expiration of the most recent certification, the Department shall require an Applicant to comply with the provisions of initial certification. Any person applying for renewal shall file with the Division:

1. Application
2. General Business Liability Insurance
3. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.39 Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

1. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
2. Administrative Hearing (District)
 - b. The District will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
 - ii. The certificate holder must submit a written request, to the Hearing Officer, within 10-calendar days from date of receipt of notice of revocation or suspension or action is sustained
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
 - iv. Conduct hearing with, or without, certificate holder
 - v. Mail decision of Hearing Officer to all parties within 10-working days
3. Administrative Hearing (State)
 - b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with, or without, certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days

4. Judicial Review. In case of an adverse decision the appellant will be advised of the right to pursue judicial review.
 - b. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Mississippi State Department of Health.

Source: *Miss Code Ann § 41-67-3*

Rule 2.40 Penalties. Any Certified Installer found guilty in an Administrative Hearing may be penalized by one or more of the following:

1. Violation of statute(s), falsification of documentation, acts of misrepresentation or failure to submit an Affidavit-Installation
 - a. Revocation of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - c. Administrative fine up to \$10,000
2. Violation of rule(s), or order(s) of the Board
 - a. Suspension of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - c. Attendance of certification course
3. If any person operates in the state as a Certified Installer without certification by the Board, the Board, after due notice and opportunity for a hearing, may impose a monetary penalty not to exceed Ten Thousand Dollars (\$10,000.00) for each violation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.41 Reinstatement. If any person whose certification has been revoked must repeat initial certification no sooner than 2 years after the effective date of the revocation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.42 **Certified Pumper.** A person may not be engaged in the business of cleaning, pumping and disposing of any sludge and liquid waste (septage) from any Individual On-Site Wastewater Disposal Systems, Portable Toilet (Self-Contained) and/or grease trap in this state unless that person has a valid license issued by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.43 Registration. Any person wishing to become a Certified Pumper must provide the Department with the following:

1. Application
2. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.44 Training and Examination. All persons found eligible for certification as a Certified Pumper must complete the Department's 1-day course and pass written examination with a score of 80% or higher.

Source: *Miss Code Ann § 41-67-3*

Rule 2.45 Vehicle Inspection. All pump trucks must be inspected by the Department with Data Log sheet being made available during the inspection, if requested. The following items must be available during inspection:

1. 5 dry gallons of Lime, ensuring spillage, pumping and transporting of septage or other liquid waste shall be delivered in a manner that is safe and does not create a nuisance or public health hazard.
2. Labeling: Minimum of 2-inches in height
 - a. "SEPTAGE AND LIQUID WASTE ONLY" at or near the inlet and outlet valve. The use of the carrier tank for other purposes is prohibited.
 - b. Name of the Company, address and certification number. Certification number is not required on initial inspection but must be on the vehicle within 30-days within receiving certificate. Discharge of septage or other liquid waste into a public sewage collection system, without the consent and permission of the owner/operator of such system, is prohibited
3. Supervise employees and ensure that all systems for which the licensee is responsible shall be pumped and cleaned in accordance with Regulation and other applicable regulations, permits, and standards issued by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.46 Documentation and Fee. Within 30-days of passing the examination, the Certified Installer must submit:

1. General Business Liability Insurance

2. Copy of vehicle(s) inspection (Form 308) and PIMS receipt from County Health Department
3. Copy of authorization letter(s) from a Mississippi Department of Environmental Quality (MDEQ) permitted facility for disposal
4. Fee (Certificate)

Source: *Miss Code Ann § 41-67-3*

Rule 2.47 Certification. All Applicants that have completed all requirements under the Application and Training Program will be certified as a Pumper with all rights and privileges.

1. Certificates issued in accordance with this regulation shall not be transferable. Nothing within this regulation shall be construed to limit the power of any municipal, county, or governmental entity to enforce other license requirements or additional measures

Source: *Miss Code Ann § 41-67-3*

Rule 2.48 Responsibilities. All Certified Pumpers must comply with the following:

1. Disposal of contents is only allowed at site(s) as listed in letter(s) of authorization.
2. Keep a record on all systems cleaned, pumped and disposed of by address, type of treatment unit, amount pumped, and receipt of disposal at waste treatment facility permitted by the Mississippi Department of Environmental Quality (MDEQ). The proper cleaning of any septic tank or similar unit shall include the substantial removal of its contents. Records must be retained for a minimum of 2-years.
2. Attend 4-hours of Continuing Education per calendar year offered by the Department, or other source(s) approved by the Division.
3. Notifying the Department within 10-working days of adding, replacing or deleting the inventory of vehicles for the purpose of updating application of any change in address, business partnership or affiliation, or any other status that affects his/her standing as a Certified Pumper.

Source: *Miss Code Ann § 41-67-3*

Rule 2.49 Expiration. All Certified Pumper certifications shall expire **September 30**, unless suspended or revoked.

Source: *Miss Code Ann § 41-67-3*

Rule 2.50 Renewal. A Certified Pumper may apply for renewal not more than 60-calendar days prior to the expiration of his certification. **Note:** If more than 31-calendar

day have elapsed from the expiration of the most recent certification, the Department shall require an Applicant to comply with the provisions of initial certification. Any person applying for renewal shall file with the Division:

1. Application
2. General Business Liability Insurance
3. Copy of authorization letter(s) from a Mississippi Department of Environmental Quality (MDEQ) permitted facility for disposal
4. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.51 Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

1. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
2. Administrative Hearing (District)
 - b. The District will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
 - ii. The certificate holder must submit a written request, to the Hearing Officer, within 10-calendar days from date of receipt of notice of revocation or suspension
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing or action is sustained
 - iv. Conduct hearing with, or without, certificate holder

- v. Mail decision of Hearing Officer to all parties within 10-working days
3. Administrative Hearing (State)
- b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with or without certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days
4. Judicial Review. In case of an adverse decision the appellant will be advised of the right to pursue judicial review.
- b. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Department.

Source: *Miss Code Ann § 41-67-3*

- Rule 2.52 Penalties. Any Certified Pumper found guilty in an Administrative Hearing may be penalized by one or more of the following:
- 1. Violation of statute(s), falsification of documentation, acts of misrepresentation or failure to submit an Affidavit-Installation
 - a. Immediate revocation of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - c. Administrative fine up to \$10,000
 - 2. Violation of rule(s), or orders of the Board
 - a. Suspension of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - c. Attendance of certification course

5. If any person operates in the state as a Certified Pumper without certification by the Board, the Board, after due notice and opportunity for a hearing, may impose a monetary penalty not to exceed Ten Thousand Dollars (\$10,000.00) for each violation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.53 Reinstatement. If Any person whose certification has been revoked must repeat initial certification no sooner than 2-years after the effective date of the revocation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.54 **Qualified Homeowner Maintenance Providers.** Any person wishing to provide maintenance to his/her Advanced Treatment System/Disposal System at their primary residence must submit to the Department documentation from the Certified Manufacturer that he/she has been educated with the necessary knowledge.

Source: *Miss Code Ann § 41-67-3*

Rule 2.55 Responsibilities. Any person recognized as a Qualified Homeowner Maintenance Provider must comply with the following:

1. Maintain his/her Advanced Treatment System in perpetuity
2. Provide 1 inspection report every 2 years to the Department
3. Provide inspection report to the Department containing:
 - a. Evaluation of his/her on-site systems based on Manufacturer requirements
 - b. Keeping accurate records of systems inspection(s) and repair(s)

SOURCE: Miss Code Ann § 41-67-3

Rule 2.56 Penalties. If the Qualified Homeowner Maintenance Provider is found in violation of the above responsibilities, he/she will be subject to:

1. Administrative fine in the amount of \$500.00
2. Discontinued public water service
3. Contract with a Certified Installer to provide continuous maintenance to the specific product

Source: *Miss Code Ann § 41-67-3*

Rule 2.57 Appeal Process. A person may appeal a decision of the Department based on the following:

1. Prior to assessing and collecting the administrative fine, the Department shall provide written notification by Certified Mail/Return Receipt Requested to the violator, stating the basis for the fine, and setting an administrative hearing date within 10-working days of mailing of such notification.
2. Upon determination of the first hearing if sufficient reason for the fine to be assessed, the installer shall have 10-working days from receipt of such determination to request an additional hearing at the second level, if he wishes to appeal the decision of the hearing officer.
3. At the second level, a hearing officer appointed by the State Health Officer shall conduct a hearing to be scheduled within 30-calendar days of receipt of the request for such hearing.
4. The second level hearing shall be held at the Department, 570 E Woodrow Wilson, Jackson, Mississippi. The appellant will be provided procedural rules.
5. The decision to be made by the State Health Officer or appointee will be based solely on the oral, written and documentary evidence presented. After considering all findings of fact, conclusions of law and recommendations of the hearing officer, the State Health Officer will make the final decision whether to sustain the decision made by the first level hearing official and assess and collect the fine. The decision of the State Health Officer will be binding on the Department. The appellant will be notified in writing by certified mail of the State Health Officer's decision.
6. In case of an adverse decision the appellant will be advised of the right to pursue judicial review.
7. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Department.
8. A certification may be summarily suspended by the issuing official pending a hearing, as herein provided, if the holder of the certification acts in such a manner as to pose an immediate or serious threat to the public health. In the case of a summary suspension, the certified installer shall be given a hearing as soon as possible after the issuing official receives a written request for a hearing.

Source: *Miss Code Ann § 41-67-3*

Chapter 5. DESIGN STANDARDS

Subchapter 4. AGGREGATE:

Rule 5.4.1. In a conventional system treatment begins in the septic tank, under anaerobic conditions. Final treatment and disposal takes place in the soil of the drainfield, an aerobic environment. It is necessary for this aerobic condition to exist in the soil of the drainfield for proper treatment of the effluent.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.2. Definitions:

1. Aggregate System – any subsurface disposal system that utilizes gravel, crushed stone, tire chips or other approved aggregate media.
2. Conventional Subsurface Aggregate Disposal System – any gravity-fed subsurface disposal field utilizing a loose aggregate media ranging from 36 to 12 inches in depth.
 - a. Standard Subsurface Disposal 25 in. to 36 in.
 - b. Shallow Subsurface Disposal 12 in. to 24 in.
3. Tire Chips – Coarse aggregate made from recycled tires to substitute volumetrically for mineral aggregate for use as media in a conventional subsurface disposal field.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.3. Location:

1. All components of the onsite wastewater disposal system shall be located a minimum of:
 - a. 5 feet from any dwelling.
 - b. 10 feet from any property line.
2. Any vessel holding wastewater shall be located a minimum of 50 feet from any public, private or individual potable water source.
3. The effluent disposal field shall be located at a lower elevation or in a landscape position that will preclude any surface runoff from flowing in the direction of the well site and a minimum of 100 feet from any public, private or individual potable water source.

4. Potable water lines shall not pass under or through any part of the sewage disposal system. Where a water supply line must cross a sewer line, the bottom of the water service within ten feet of the point of crossing, shall be at least 12 inches above the top of the sewer line. The sewer line shall be of Schedule 40 pipe with cemented joints at least 10 feet on either side of the crossing. Water and sewer lines shall not be laid in the same trench. The water and sewer lines, when laid on the same elevation, shall maintain a minimum separation distance of 10 feet.
5. The surface of or the surface above the disposal field shall not be used for vehicular traffic or vehicular parking.
6. No portion of an onsite wastewater disposal system shall be located under dwellings or other permanent structures.
7. Effluent disposal systems shall not be located in depressed areas where surface water will accumulate. Provision shall be made to minimize the flow of surface water over the effluent disposal field.
8. Refer to: SETBACK REQUIREMENTS FROM SENSITIVE WATER
9. Slopes of greater than 30% shall not be considered for subsurface disposal installation.
10. Where all or part of the onsite wastewater disposal system is proposed to be installed on property other than the owner's, an easement in perpetuity shall be legally recorded in the proper county. The easement shall be of sufficient area to permit access, construction and maintenance of the onsite sewage disposal system.
11. No site for an effluent disposal field or expansion area shall be approved which is located wholly within an area which is frequently flooded, swamp, marsh, or wetland. Except that if permits have been issued by the proper regulatory agency authorizing the use of wetlands for building sites, the property shall be evaluated using standard soil and site criteria for Individual On-site Wastewater Disposal System.
12. When a proposed lot is located partially within a frequently flooded area, that portion of said lot not within the flood prone area may be considered for approval for the effluent disposal field.
13. There shall be maintained a minimum of 12 inches of unsaturated soil between the bottom of the subsurface disposal system and Seasonal High Water Table in soils that contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within 5 feet of the surface.

14. There shall be maintained a minimum of 24 inches of unsaturated soil between the bottom of the subsurface disposal system and Seasonal High Water Table in soils that do not contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within 5 feet of the surface.
15. Easements or right-of-way areas for utilities, surface or subsurface drainage, roads, streets, ponds or lakes shall not be used as available space for location of individual onsite sewage disposal systems.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.4. Underground Absorption:

1. The size of the subsurface sewage disposal system shall be determined by soil texture.
2. Soils with excessively rapid permeability rates, gravel and coarse sand, shall be considered unsuitable for subsurface disposal unless the native soil is replaced with a suitably thick (greater than 2 feet) layer of loamy sand or sand textured soil.
3. Soils with excessively slow permeability rates, silty clay and clay, shall be considered unsuitable for conventional subsurface disposal.
4. Subsurface disposal systems shall be placed no deeper than 36 inches below the surface.
5. Conventional systems shall maintain a minimum 12 inches of soil backfill.
6. The minimum distance between absorption trench sidewalls shall be 6 feet.
7. Aggregate -type absorption trenches shall be a minimum of 24 inches and a maximum of 36 inches in width.
8. Trenches shall not be excavated when the soil is wet enough to smear or compact easily.
9. The bottom of the trenches or bed and the distribution lines shall have a grade from level to no greater than 2 inches fall per 100 feet.
10. There shall be a minimum of 3 feet of undisturbed soil between the excavation for the septic tank or Advance Treatment System and the beginning of the absorption trench, bed or effluent line.

11. Media for the disposal fields shall extend from at least 2 inches above the top of the perforated field line pipe to at least 6 inches below the bottom of the perforated field line pipe a minimum of 12 inches total.
12. Stone media for the disposal fields shall consist of crushed rock, gravel or other suitable material, as approved by the Department, varying in size from ½ to 2½ inches. The material shall be free from dust, sand, clay, or excessive fines.
13. Tire chips shall be allowed for use as coarse aggregate in onsite wastewater treatment and disposal system drainfields and may substitute for stone aggregate on a one-for-one basis, volumetrically when the following physical properties are met:
 - a. Tire chips are to be a normal 2 inches in size and may range from 1/2 inch to a maximum of 4 inches in any direction.
 - b. Exposed wire may protrude no more than 1/2 inch from the sides of the chip. No more than 10% by weight shall exceed this standard.
 - c. No more than 10% by weight shall pass through a 1/2 inch screen.
 - d. At least 80% of the bead wire must be removed from the tires to be chipped.
 - e. Fines of less than 2 *mm* in size are prohibited. Fines in this context is defined as particles or substances which can settle to the bottom of the absorption trench and contribute to the clogging or blocking of infiltrative surfaces (dirt, dust, grit, crumb rubber and similar substances).
14. The media for the disposal fields shall be covered with untreated building paper, heavy craft paper, a layer of straw at least two inches thick, or other acceptable material, as approved by the Department.
15. Soil material excavated from trenches shall be used in backfilling and should be left mounded over the trenches until initial settling has taken place.
16. When a change in elevation of the disposal trench is required, a connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the aggregate in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the aggregate. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least 4 inches lower than the invert of the septic tank effluent line.
17. Standard manufactured fittings compatible with the pipe shall be used to connect all pipes within the effluent disposal field.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.5. Certification:

1. Any manufacturer wishing to provide tire chips for use in onsite sewage treatment and disposal system drainfields in the state of Mississippi must first receive a certification from the State Department of Health, Division of Onsite Wastewater. Manufacturers must provide proof they can produce a tire chip coarse aggregate in conformance with the standards.
2. Tire chip coarse aggregate from certified manufacturers shall be labeled as drainfield aggregate on the freight bill-of-lading. The bill-of-lading shall clearly certify that the material meets the requirements for drainfield use. Contractors purchasing tire chip coarse aggregate shall retain a copy of the freight bill-of-lading as documentation of the aggregate size and quality.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.6. Alternating Disposal Fields

1. An alternating effluent disposal field system provides 2 complete disposal fields, separated by a valving system so that each system could alternately be used and rested. This "resting" has shown to be useful in regenerating the soil's capability for absorbing the effluent.
2. The size of each field can be from 50 to 100% of the required square footage of a single disposal field.
3. The length of time each field would be used and then rested will be determined on a case-by-case basis.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.7. Shallow Disposal Fields: Shallow aggregate systems can sometimes be used where the depth to the restrictive horizon or Seasonal High Water Table is less than 25 inches. Placement of the system may be as shallow as 12 inches for aggregate systems. Shallow installations may be placed in any texture shown as suitable

Rule 5.4.8. Sizing

Refer to: AGGREGATE SYSTEM

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.9. Absorption Beds:

1. Absorption beds and trenches should be located a minimum of 10 feet from any trees, except for Drip Irrigation.
2. Absorption beds have a smaller "footprint" than the same square footage of trench system. This lends them useful in certain installations where the amount of useable space is limited.
3. The amount of bottom absorption area required shall be the same as trench. The bottom of the bed should have a relatively level grade.
4. Lines for distributing effluent shall be spaced from 3 to 6 feet apart and not greater than 3 feet from the sidewall. The number of lines will depend on the square feet and width of the bed to be constructed.
5. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
6. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.10. Distribution:

1. When a change in elevation of the disposal trench is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the aggregate in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the aggregate. The distribution box shall be level and supply all lines equally. Field lines must be equal lengths when served by 1 distribution box.
2. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. Non-perforated rigid pipe shall exit the distribution box for a minimum of 5 feet at level grade before the effluent distribution line (perforations) begins.
3. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least 4 inches lower than the invert of the septic tank outlet line.

SOURCE: Miss Code Ann. §41-67-3

SETBACK REQUIREMENTS FROM SENSITIVE WATER

Minimum Distance from the Water Edge

| Soil Textural Class | Slope of Less Than 8 Percent | Slope of More Than 8 Percent |
|------------------------------|------------------------------|------------------------------|
| Gravel | NOT APPLICABLE | |
| <i>Coarse Sand</i> | 50 feet | 50 feet |
| <i>Medium Sand</i> | 50 feet | 50 feet |
| <i>Fine Sand</i> | 50 feet | 50 feet |
| <i>Loamy Sand</i> | 50 feet | 50 feet |
| <i>Sandy Loam</i> | 50 feet | 50 feet |
| <i>Light Loam</i> | 50 feet | 50 feet |
| <i>Heavy Loam</i> | 50 feet | 50 feet |
| <i>Silt Loam</i> | 50 feet | 50 feet |
| <i>Sandy Clay Loam</i> | 50 feet | 50 feet |
| <i>Light Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Clay Loam</i> | 50 feet | 50 feet |
| <i>Light Silty Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Silty Clay Loam</i> | 50 feet | 50 feet |
| <i>Sandy Clay</i> | 50 feet | 50 feet |
| <i>Silty Clay</i> | 50 feet | 50 feet |
| <i>Clay</i> | 50 feet | 50 feet |

The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge**.

AGGREGATE SYSTEM

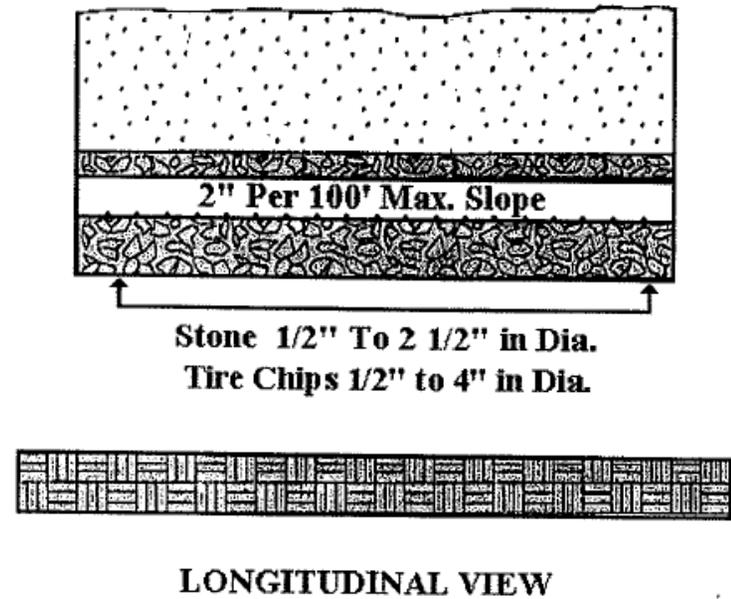
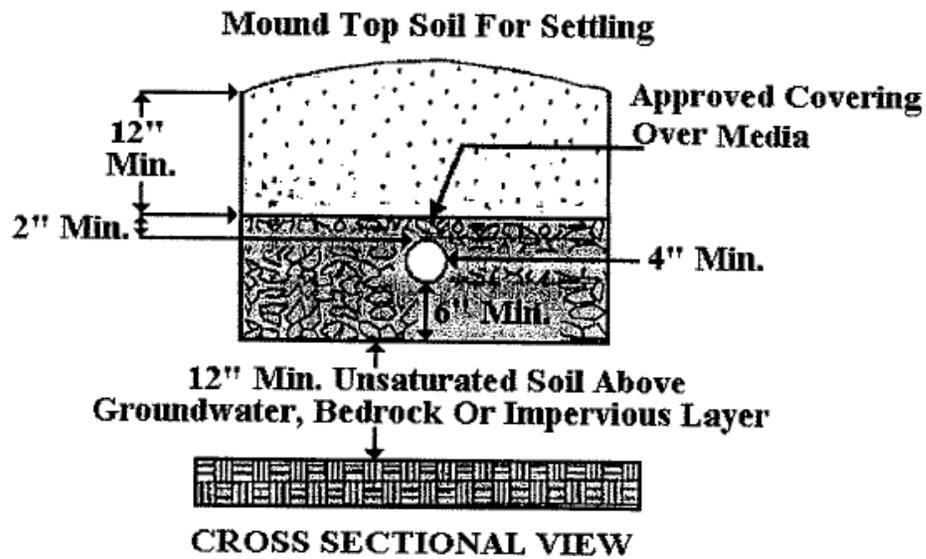
Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | Loading Rate GPD/Ft ² | Absorption Area Per Bedroom | | Additional Absorption Area Over 2 Persons Per Bedroom | |
|------------------------------|----------------------------|--|--------------------------------|-----|---|-----|
| | | | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | |
| <i>Coarse Sand</i> | - | 1.2 | 125 | 43 | 60 | 20 |
| <i>Medium Sand</i> | - | 1.2 | 125 | 43 | 60 | 20 |
| <i>Fine Sand</i> | - | 0.8 | 190 | 63 | 95 | 32 |
| Loamy Sand | - | 0.8 | 190 | 63 | 95 | 32 |
| Sandy Loam | <.5 | 0.6 | 250 | 83 | 125 | 41 |
| <i>Light Loam</i> | <.5 | 0.6 | 250 | 83 | 125 | 41 |
| <i>Heavy Loam</i> | .5 – 1 | 0.45 | 335 | 115 | 165 | 55 |
| Silt Loam | <1 | 0.45 | 335 | 112 | 165 | 55 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 335 | 112 | 165 | 55 |
| <i>Light Clay Loam</i> | 1 – 1.5 | 0.30 | 500 | 167 | 250 | 83 |
| <i>Heavy Clay Loam</i> | 1.5 – 2.0 | 0.20 | 750 | 250 | 375 | 125 |
| <i>Light Silty Clay Loam</i> | 1 – 1.5 | 0.30 | 500 | 167 | 250 | 83 |
| <i>Heavy Silty Clay Loam</i> | 1.5 – 2.0 | 0.20 | 750 | 250 | 375 | 125 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | |

Note: All measurements are based on a 36 inch trench width.

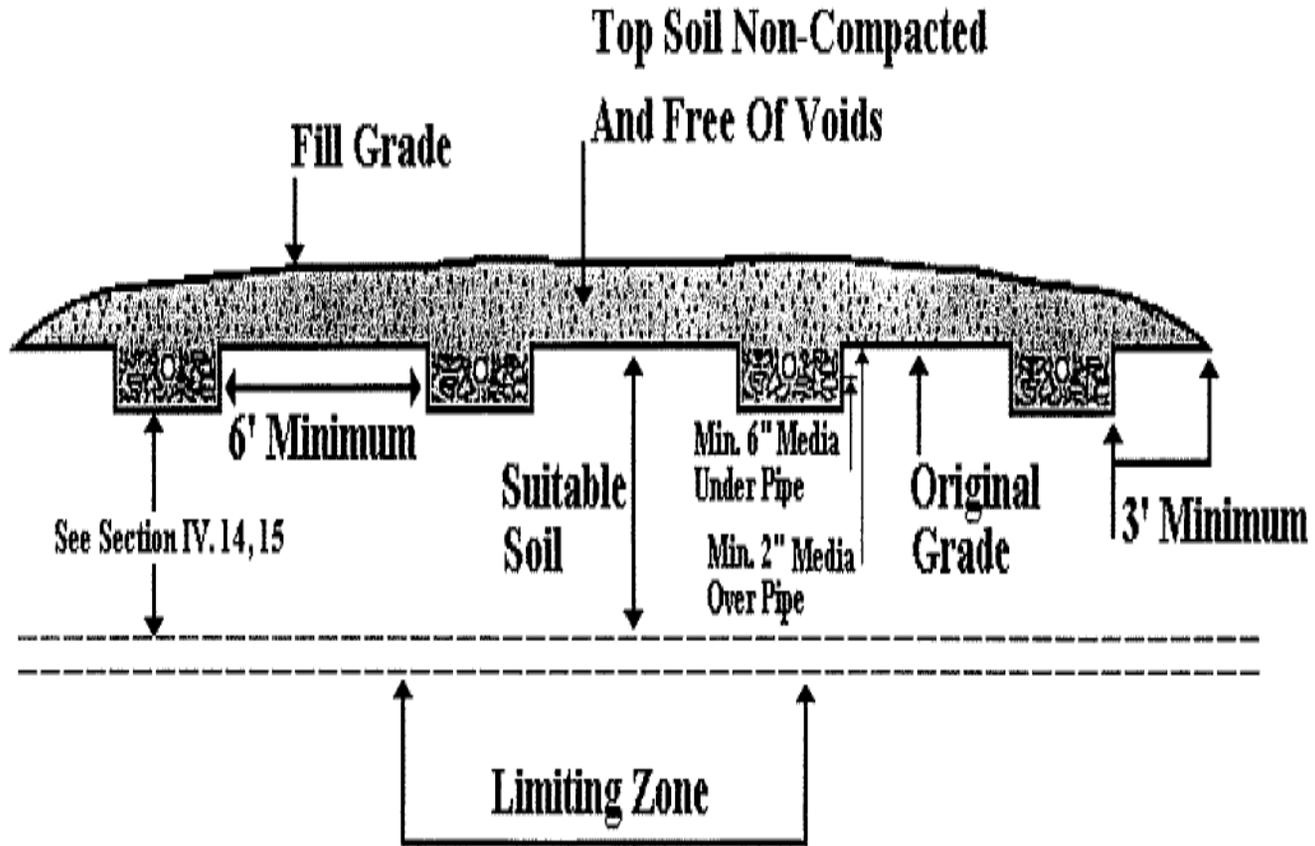
Figure I – Conventional Subsurface Absorption

Trench Cross Section



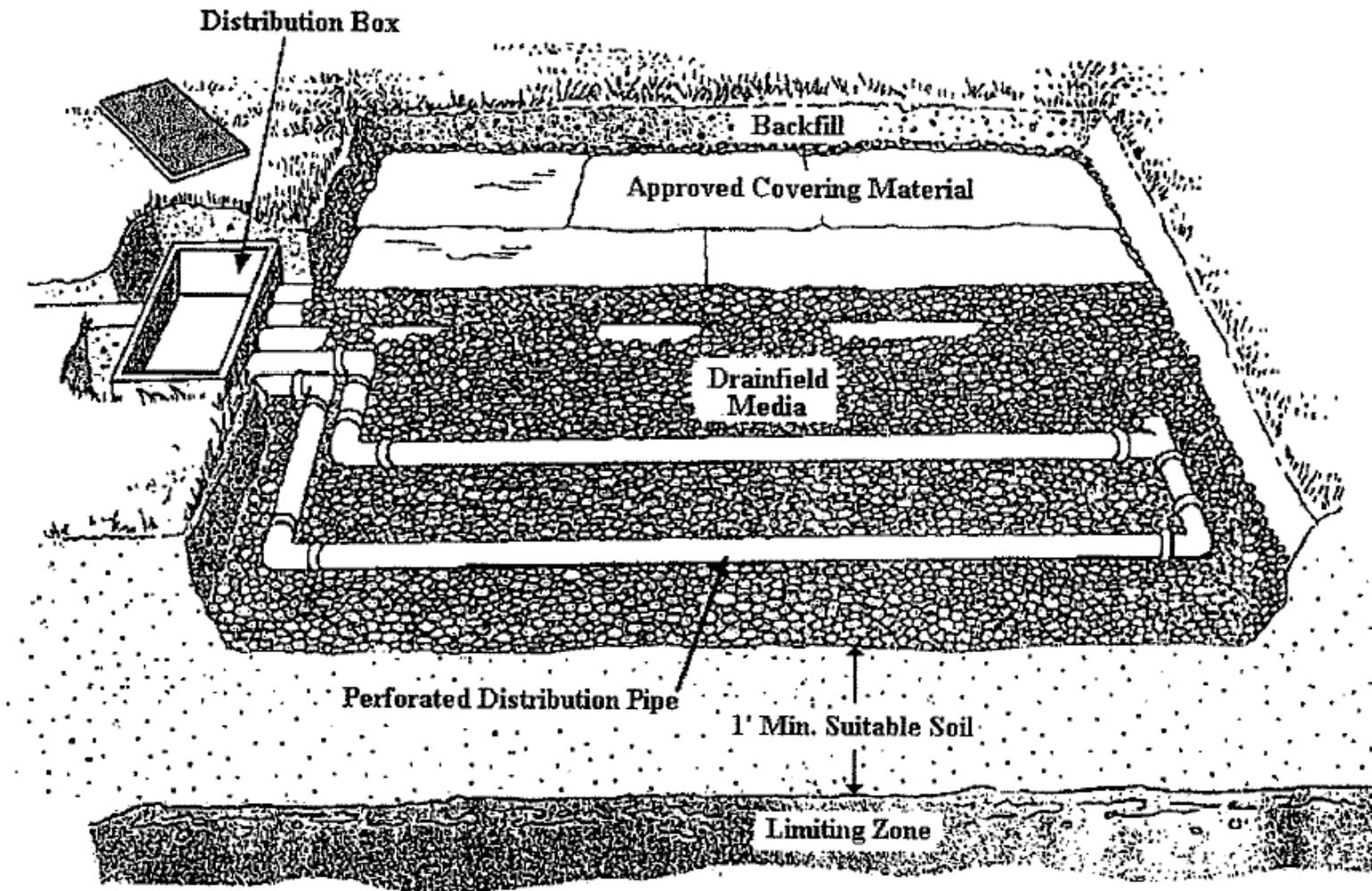
SOURCE: Miss Code Ann. §41-67-3

Figure II – Ultra Shallow Absorption Field



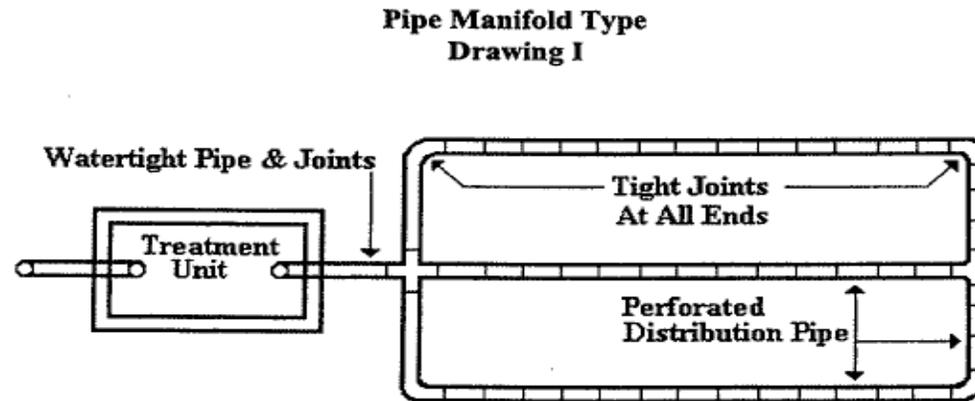
SOURCE: Miss Code Ann. §41-67-3

Figure III – Conventional Absorption Bed

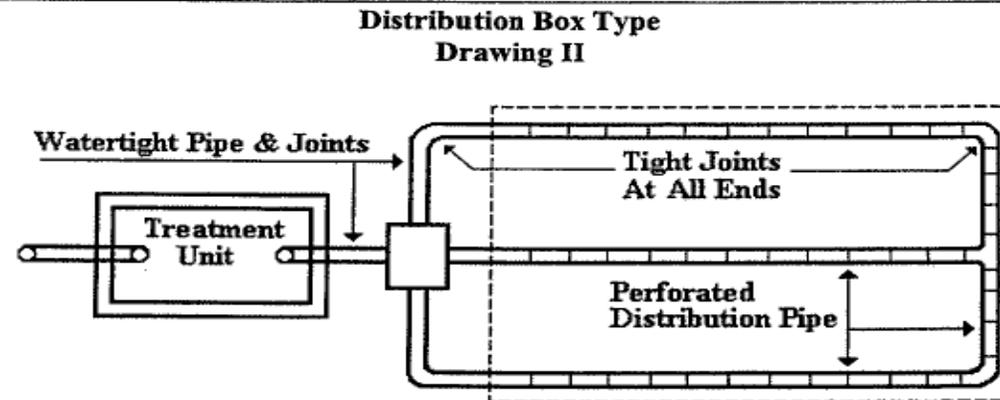


SOURCE: Miss Code Ann. §41-67-3

Figure IV – Effluent Distribution for Absorption Beds

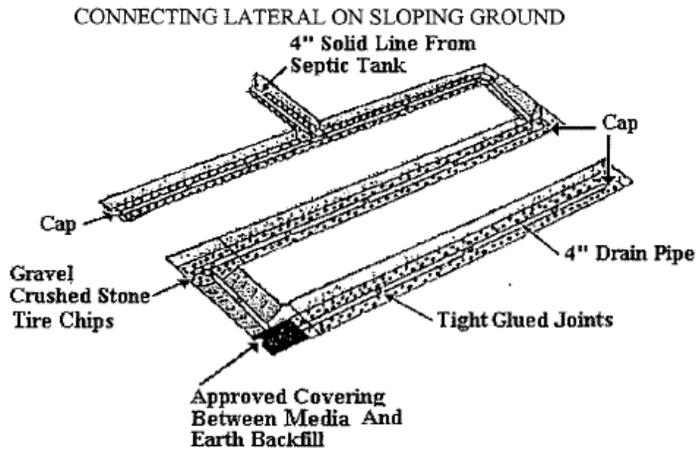
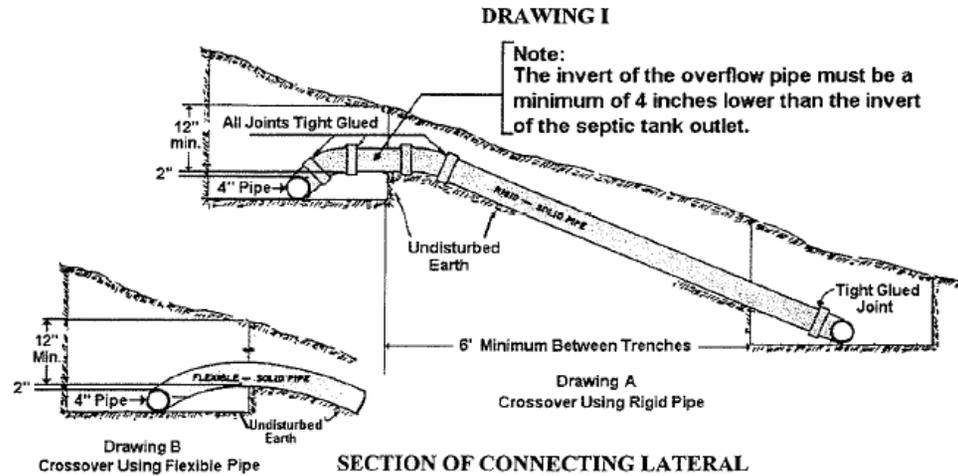


In absorption bed systems where the entire infiltrative surface is at one elevation closed loop networks may be used. The distribution pipe is laid level over the media filled excavation and the ends connected together with additional pipe with ell or tee fittings.



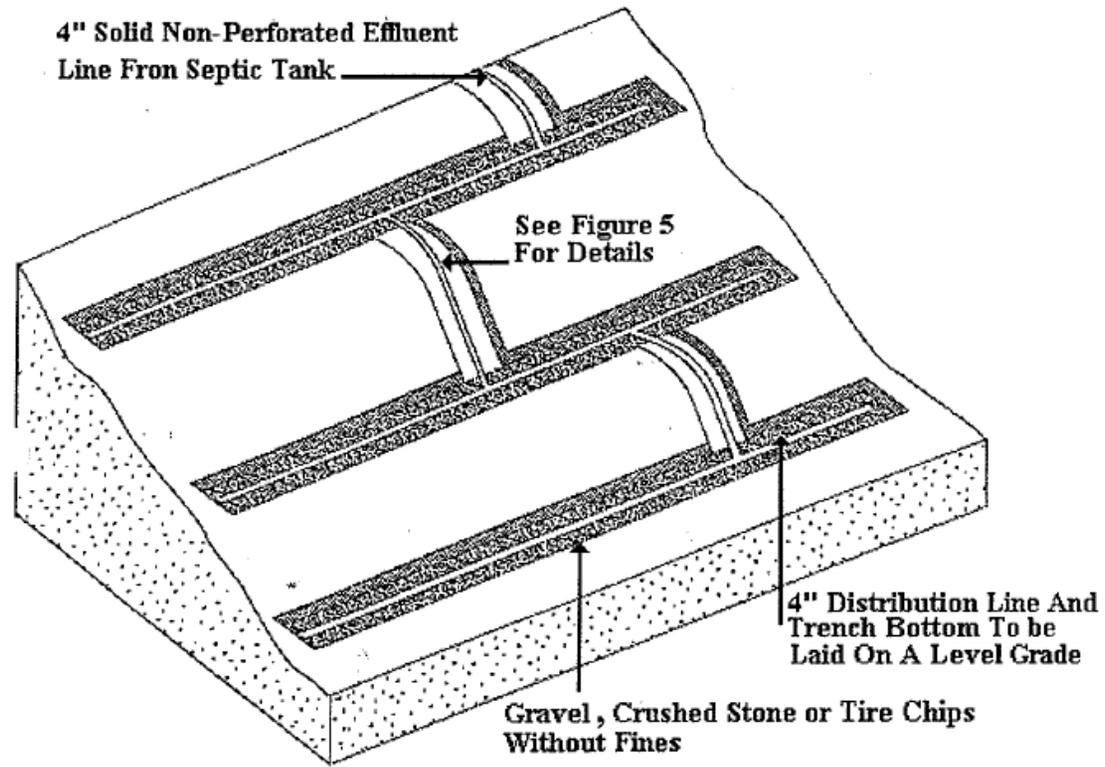
SOURCE: Miss Code Ann. §41-67-3

Figure V – Connection Lateral [Spill overs]



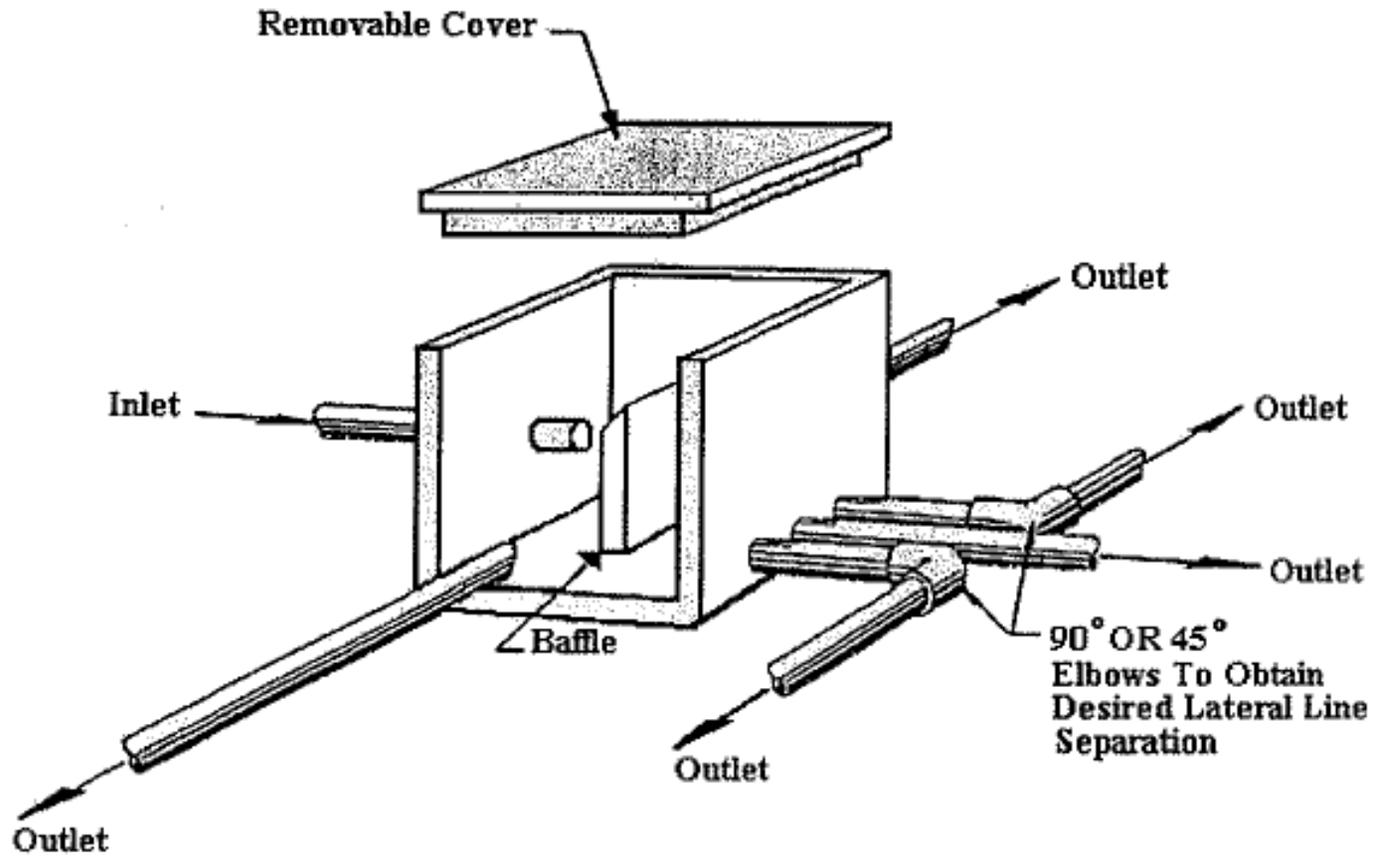
SOURCE: Miss Code Ann. §41-67-3

Figure VI – Conventional Absorption Bed



SOURCE: Miss Code Ann. §41-67-3

Figure VII – Distribution Box



SOURCE: Miss Code Ann. §41-67-3

Subchapter 5. AGGREGATE REPLACEMENT

Rule 5.5.1. In a conventional system, treatment begins in the septic tank, under anaerobic conditions. Final treatment and disposal takes place in the soil of the drain field, an aerobic environment. It is necessary for this aerobic condition to exist in the soil of the drain field for proper treatment of the effluent.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.2. Definitions:

1. Aggregate Replacement Disposal System – any normally gravity-fed subsurface disposal field utilizing an alternate media or technology to act as a replacement for the aggregate media. These system depths range from 36 to 6 inches in depth.
 - a. Standard Subsurface Disposal 25 in. to 36 in.
 - b. Shallow Subsurface Disposal 13 in. to 24 in.
 - c. Ultra-shallow Subsurface Disposal 6 in. to 12 in.
2. Chamber System – a manufactured product, bottomless, that utilized contact with the trench bottom to infiltrate primary treated effluent into the soil for final treatment and disposal.
3. Expanded Polystyrene System – a manufactured product that utilizes bundles of expanded polystyrene aggregate to replace aggregate in a subsurface disposal system. Effluent is distributed via a perforated pipe incorporated into the center of one EPS bundle.
4. Large Diameter System – a manufactured product that utilizes large diameter pipe covered with a filtering material.
5. Multi-Pipe System – a manufactured product that utilizes bundles of perforated pipe to provide a void space. The top pipe in one bundle of this system receives the treated effluent for distribution throughout the disposal system. .
6. Treatment – a process applied to wastewater which causes the resulting effluent to meet or exceed EPA secondary standards for treated wastewater for surface discharge and which does not endanger the public health.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.3. Location:

1. All components of the onsite wastewater disposal system shall be located a minimum of:
 - a. 5 feet from any dwelling.

- b. 10 feet from any property line.
2. Any vessel holding wastewater shall be located a minimum of 50 feet from any public, private or individual potable water source.
3. The effluent disposal field shall be located at a lower elevation or in a landscape position that will preclude any surface runoff from flowing in the direction of the well site and a minimum of 100 feet from any public, private or individual potable water source.
4. Potable water lines shall not pass under or through any part of the sewage disposal system. Where a water supply line must cross a sewer line, the bottom of the water service within ten feet of the point of crossing, shall be at least 12 inches above the top of the sewer line. The sewer line shall be of Schedule 40 pipe with cemented joints at least ten feet on either side of the crossing. Water and sewer lines shall not be laid in the same trench. The water and sewer lines, when laid on the same elevation, shall maintain a minimum separation distance of 10 feet.
5. The surface of or the surface above the disposal field shall not be used for vehicular traffic or vehicular parking.
6. No portion of an onsite wastewater disposal system shall be located under dwellings or other permanent structures.
7. Effluent disposal systems shall not be located in depressed areas where surface water will accumulate. Provision shall be made to minimize the flow of surface water over the effluent disposal field.
8. Refer to: SETBACK REQUIREMENTS FROM SENSITIVE WATER
9. Slopes of greater than 30% shall not be considered for subsurface disposal installation.
10. Where all or part of the onsite wastewater disposal system is proposed to be installed on property other than the owner's, an easement in perpetuity shall be legally recorded in the proper county. The easement shall be of sufficient area to permit access, construction and maintenance of the onsite wastewater disposal system.
11. No site for an effluent disposal field or expansion area shall be approved which is located wholly within an area which is frequently flooded, swamp, marsh, or wetland. Except that if permits have been issued by the proper regulatory agency authorizing the use of wetlands for building sites, the property shall be evaluated using standard soil and site criteria for Individual On-site Wastewater Disposal System.

12. When a proposed lot is located partially within a frequently flooded area, that portion of said lot not within the flood prone area may be considered for approval for the effluent disposal field.
13. There shall be maintained a minimum of 12 inches of unsaturated soil between the bottom of the subsurface disposal system and Seasonal High Water Table in soils that contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within 5 feet of the surface.
14. There shall be maintained a minimum of 24 inches of unsaturated soil between the bottom of the subsurface disposal system and Seasonal High Water Table in soils that do not contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within 5 feet of the surface.
15. Easements or right-of-way areas for utilities, surface or subsurface drainage, roads, streets, ponds or lakes shall not be used as available space for location of individual onsite sewage disposal systems.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.4. Underground Absorption:

1. Aggregate replacement systems shall comply with all criteria for aggregate systems except in sections pertaining to the aggregate media or as specified in this regulation.
2. The size of the subsurface sewage disposal system shall be determined by soil texture and estimated wastewater flow.
3. Soils with excessively rapid permeability rates, gravel and coarse sand, shall be considered unsuitable for subsurface disposal unless the native soil is replaced with a suitably thick (greater than 2 feet) layer of loamy sand or sand textured soil.
4. Soils with excessively slow permeability rates, silty clay and clay, shall be considered unsuitable for conventional subsurface disposal.
5. Subsurface disposal systems shall be placed no deeper than 36 inches below the surface.
6. Aggregate replacement systems shall have a minimum 12 inches of soil backfill.
7. The minimum distance between absorption trench sidewalls shall be 6 feet.
8. Trenches shall not be excavated when the soil is wet enough to smear or compact easily.

9. There shall be a minimum of 3 feet of undisturbed soil between the excavation for the septic tank or Advanced Treatment System and the beginning of the absorption trench, bed or effluent line.
10. The bottom of the outlet of the Septic Tank or Advanced Treatment System supplying effluent to the pipe must be a minimum of 1 inch above the top of the aggregate replacement system.
11. Care must be taken when backfilling to prevent the pipe from shifting during the backfilling process.
12. Soil material excavated from trenches shall be used in backfilling and should be left mounded over the trenches until initial settling has taken place.
13. Standard manufactured fittings compatible with the pipe shall be used to connect all pipes within the effluent disposal field.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.5. Alternating Disposal Fields:

1. An alternating effluent disposal field system provides 2 complete disposal fields, separated by a valving system so that each system could alternately be used and rested. This "resting" has shown to be useful in regenerating the soil's capability for absorbing the effluent.
2. The size of each field can be from 50 to 100% of the required square footage of a single disposal field.
3. The length of time each field would be used and then rested will be determined on a case-by-case basis.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.6. Shallow and Ultra-shallow Disposal Fields:

Placement of the system may be as shallow as 6 inches for large diameter "double-six" pipe systems. Ultra-shallow installations shall be restricted to soil textures of loam or lighter. Shallow installations may be placed in any texture shown as suitable.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.7. Sizing:

Refer to: LARGE DIAMETER PIPE

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.8. Construction:

1. Large diameter absorption trenches shall be a minimum of 24 inches and a maximum of 36 inches in width.
2. The bottom of the trenches or bed and the distribution lines shall have a grade from level to no greater than 2 inches fall per 100 feet for double-six inch large diameter pipe and 1 inch fall per 100 feet for 8 and 10 inch large diameter pipe.
3. Overlap filter wrap at coupling joints and seal using factory approved methods.
4. The 4 inch pipe from the septic tank or Advanced Treatment System supplying effluent to the pipe shall be installed into an offset connector particular to the type and manufacturer of the pipe. These connectors will also be used when crossovers are constructed to change elevations of field system.
5. Fabric must be pulled over offset connector and sealed using a factory approved method.
6. The ends of the large diameter pipe shall be closed with an end cap particular to the type and manufacturer of the pipe.
7. Care must be taken during backfilling to prevent the manufactured product from “crawling” when backfill is applied.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.9. Distribution:

1. When a change in elevation of the disposal trench is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the pipe. The distribution box shall be level and supply all lines equally. Field lines must be equal lengths when served by one distribution box.
2. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. Non-perforated rigid pipe shall exit the distribution box for a minimum of 5 feet at level grade before the effluent distribution line (perforations) begins.
3. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least 4 inches lower than the invert of the septic tank outlet line.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.10. Absorption Beds: Absorption beds may be constructed using large diameter pipe.

1. Absorption beds and trenches should be located a minimum of 10 feet from any trees.
2. The amount of linear footage required shall be the same as for trench configurations. The bottom of the bed should have a relatively level grade; the grade within the bed shall not exceed the grade allowed for trench installations.
3. Lines for distributing effluent shall be spaced from 3 to 6 feet apart with the first and last pipe placed next to the sidewall of the bed. The size of the absorption bed will depend on the required linear feet of aggregate replacement product.
4. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
5. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.
6. When a change in elevation of the disposal trench is required, an additional distribution box or connecting lateral/crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the distribution system. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least 4 inches lower than the invert effluent line of the septic tank or Advance Treatment System supplying effluent to the pipe.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.11. Multi-Pipe Systems:

1. All multi-pipe systems must be installed by a Certified Installer that is an authorized representative by the Certified Manufacturer.
2. Sizing: Refer to: MULTI-PIPE SYSTEM.
3. Construction
 - a. The bottom of the trenches and the distribution lines shall have a grade from level to no greater than 2 inches fall per 100 feet for multi-pipe aggregate replacement systems.
 - b. Multi-pipe system trenches shall be a minimum of 24 and a maximum of 36 inches in width.
 - c. The multi-pipe system must be installed with effluent being distributed to each trench distribution pipe by use of a distribution box or a level pipe header.

- i. When a change in elevation of the disposal trench is required, a distribution box or approved crossover shall be used. The distribution box, if used, shall be level and supply all lines equally.
- ii. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. Non-perforated rigid pipe shall exit the distribution box for a minimum of 5 feet at level grade before the effluent distribution line (perforations) begins.
- d. The system shall be covered with a manufacturer-approved, geotextile cloth before backfilling.
- e. The geotextile cloth shall cover the open ends of the void and distribution pipes at their termination at the ends of the trench.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.12. Absorption Bed:

1. Multi-pipe systems installed in a bed configuration shall have the same lineal foot requirements as indicated for their respective trench configurations. The size of the absorption bed will depend on the linear feet of the manufactured product.
2. The multi-pipe system shall be placed side by side in the bed. Any side by side placement of multi-pipe systems shall constitute a bed.
3. The bottom of the bed should have a relatively level grade, from the end and side to side. The grade within the bed shall not exceed the grade allowed for trench installations.
4. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.
5. The multi-pipe system may be cut in-order to accommodate setbacks. The multi-pipe system shall be cut to a length which preserves the integrity of the banded void pipes and provides adequate banding of the system a minimum of every 18 inches to a maximum of every 20 inches. Manufactured couplers shall be used to join cut ends of the void pipes.
6. The system shall be covered with a manufacturer-approved geotextile cloth before backfilling.
7. The geotextile cloth shall cover the open ends of the void pipes.
8. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.13. Expanded Polystyrene (EPS):

1. All Expanded Polystyrene System must be installed by a Certified Installer that is an authorized representative of the manufacturer.
2. Construction
 - a. The Expanded Polystyrene Systems absorption trenches shall be a minimum of 24 inches and a maximum of 36 inches in width.
 - b. The bottom of the trenches and the distribution lines shall have a grade from level to no greater than 2 inches fall per 100 feet.
 - c. The grade shall be measured from the trench bottom and not the effluent distribution line encased in the Expanded Polystyrene Systems bundle.
 - d. The Expanded Polystyrene Systems shall be covered with an approved cover material before backfilling. Covering material shall consist of craft paper or other bio-degradable product approved and/or supplied by the Certified Manufacturer.
3. Distribution
 - a. When a change in elevation of the disposal trench is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the distribution pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the system. The invert of the crossover must be at least 4 inches lower than the invert of the septic tank outlet line.
 - b. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. The distribution box shall be level and supply all lines equally. Field lines must be equal lengths when served by 1 distribution box. Non-perforated rigid pipe shall exit the distribution box for a minimum of 5 feet at level grade before the effluent distribution line (perforations) begins.
4. Absorption Beds
 - a. Absorption beds and trenches should be located a minimum of 10 feet from any trees.
 - b. The amount of linear footage required for Expanded Polystyrene Systems horizontal shall be the same as for trench configurations. The bottom of the bed should have a relatively level grade; the grade within the bed shall not exceed the grade allowed for Expanded Polystyrene Systems trench

installations. Expanded Polystyrene Systems triangular systems shall not be used in bed configurations.

- c. The Expanded Polystyrene Systems bundles shall be placed side by side in the bed. The size of the absorption bed will depend on the required linear feet of aggregate replacement product.
- d. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
- e. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.

5. Sizing

Refer to: EXPANDED POLYSTYRENE SYSTEM (EPS) “HORIZONTAL” CONFIGURATION and/or EXPANDED POLYSTYRENE SYSTEM (EPS) “TRIANGULAR” CONFIGURATION

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.14. Chamber Systems:

1. All chamber systems must be installed by a Certified Installer that is an authorized representative of the Certified Manufacturer.
2. Chamber Class Designation
 - a. Each model of chamber will be assigned a class designation based on the bottom square footage of the chamber section. This square footage will be derived by a multiple of the outside width and the useable length of the chamber section.
 - b. Refer to: CLASS DESIGNATION

Rule 5.5.16. Construction:

1. The chamber system absorption trenches shall be a minimum of 18 inches and a maximum of 36 inches in width.
2. The bottom of the trenches shall have a grade from level to no greater than 2 inches fall per 100 feet.
3. The grade shall be measured from the trench bottom and not the chamber top.
4. The chamber system shall be covered as per the manufacturer’s specifications. In all cases there shall be a minimum of 12 inches of soil cover over the chamber system.

5. The minimum height of a chamber, at its centerline, shall be 8 inches.
6. The last chamber in each “run” shall be terminated with an end plate.

SOURCE: Miss Code Ann § 41-67-3

Rule 5.5.17. Distribution:

1. When a change in elevation of the chamber system is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the endplate inlet or the inlet in the top of the chamber in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the system. The invert of the crossover must be at least 4 inches lower than the invert of the septic tank outlet line.
2. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. The distribution box shall be level and supply all lines equally. Field lines (chambers) must be equal lengths when served by 1 distribution box. Non-perforated rigid pipe shall exit the distribution box for a minimum of 5 feet at level grade before the effluent distribution line begins.

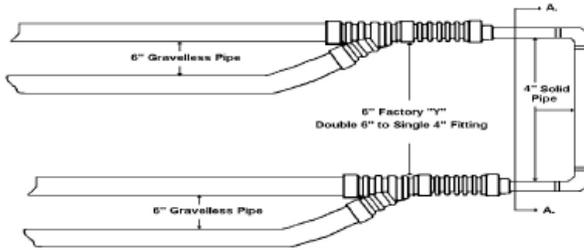
SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.18. Sizing:

1. Refer to: CHAMBER SYSTEM.
2. Chamber systems installed in a bed configuration shall have the same number of chamber sections as indicated for a trench system. The size of the absorption bed will depend on the required linear feet of aggregate replacement product. Any side-by-side placement of chambers shall constitute a bed.
 - a. Absorption beds and trenches should be located a minimum of 10 feet from any trees.
 - b. The bottom of the bed should have a relatively level grade; the grade within the bed shall not exceed the grade allowed for trench installations.
 - c. The chambers shall be placed side by side in a bed with separation between each chamber row per individual manufacturer’s requirements.
 - d. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
 - e. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.

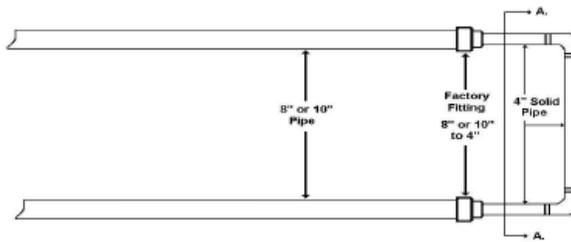
SOURCE: Miss Code Ann. §41-67-3

Figure I – Top View of Connecting Laterals for Large Diameter Pipes



Top View (Double Six Connecting Lateral)

The double six lines shall be joined with a factory connector that will reduce the two lines to a single four inch pipe. The crossover will be constructed with solid pipe and the factory connector will be used to go from four inch to double six for the lower line.

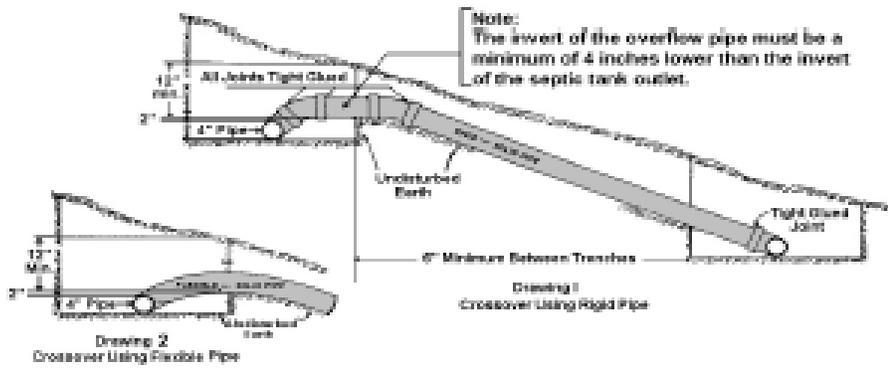


Top View (8 and 10 inch Connecting Lateral)

The upper line shall be joined to the crossover line with a factory connector that will reduce the 8 or 10 inch line to a four inch pipe. The crossover will be constructed with solid pipe and the factory connector will be used to go from four inch to 8 or 10 inch pipe for the lower line.

SOURCE: Miss Code Ann. §41-67-3

Figure II – Connection Laterals of Multi-pipe System, Expanded Polystyrene System, and Chamber System



SOURCE: Miss Code Ann. §41-67-3

LARGE DIAMETER PIPE

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | Loading Rate GPD/ Ft ² | Absorption Area Per Bedroom** | | | | | | Additional Absorption Area Over 2 Persons Per Bedroom** | | | | | |
|-----------------------|-------------------------|-----------------------------------|-------------------------------|------|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|
| | | | Ft ² | | | *Lf | | | Ft ² | | | *Lf | | |
| | | | 6 | 8 | 10 | 6 | 8 | 10 | 6 | 8 | 10 | 6 | 8 | 10 |
| Gravel | - | - | NOT SUITABLE | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 189 | 189 | 125 | 63 | 63 | 43 | 95 | 95 | 63 | 32 | 32 | 22 |
| Medium Sand | - | 1.2 | 189 | 189 | 125 | 63 | 63 | 43 | 95 | 95 | 63 | 32 | 32 | 22 |
| Fine Sand | - | 0.8 | 285 | 285 | 190 | 95 | 95 | 63 | 143 | 143 | 95 | 43 | 43 | 32 |
| Loamy Sand | - | 0.8 | 285 | 285 | 190 | 95 | 95 | 63 | 143 | 143 | 95 | 43 | 43 | 32 |
| Sandy Loam | <.5 | 0.6 | 375 | 375 | 250 | 125 | 125 | 83 | 188 | 188 | 125 | 63 | 63 | 42 |
| Light Loam | <.5 | 0.6 | 375 | 375 | 250 | 125 | 125 | 83 | 188 | 188 | 125 | 63 | 63 | 42 |
| Heavy Loam | .5 – 1 | 0.45 | 504 | 504 | 335 | 168 | 168 | 112 | 252 | 252 | 168 | 84 | 84 | 56 |
| Silt Loam | <1 | 0.45 | 504 | 504 | 335 | 168 | 168 | 112 | 252 | 252 | 168 | 84 | 84 | 56 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 504 | 504 | 335 | 168 | 168 | 112 | 252 | 252 | 168 | 118 | 118 | 56 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 750 | 750 | 500 | 250 | 250 | 167 | 375 | 375 | 250 | 125 | 125 | 84 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 1125 | 1125 | 750 | 375 | 375 | 250 | 563 | 563 | 375 | 188 | 188 | 125 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 750 | 750 | 500 | 250 | 250 | 167 | 375 | 375 | 250 | 125 | 125 | 84 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 1125 | 1125 | 750 | 375 | 375 | 250 | 563 | 563 | 375 | 188 | 188 | 125 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

MULTI-PIPE SYSTEM

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/ Ft ² | Absorption Area Per Bedroom** | | | | | | | | Additional Absorption Over 2 Person Per Bedroom** | | | | | | | |
|-----------------------|-------------------------|--|-------------------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|---|-----|-----------------|----|-----------------|-----|-----------------|-----|
| | | | MP -14 | | MP - 13 | | MP - 11 | | MP - 9 | | MP - 14 | | MP - 13 | | MP - 11 | | MP - 9 | |
| | | | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 | 63 | 21 | 48 | 16 | 57 | 19 | 66 | 22 |
| Medium Sand | - | 1.2 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 | 63 | 21 | 48 | 16 | 57 | 19 | 66 | 22 |
| Fine Sand | - | 0.8 | 190 | 63 | 144 | 48 | 168 | 56 | 201 | 67 | 98 | 32 | 72 | 24 | 84 | 28 | 102 | 34 |
| Loamy Sand | - | 0.8 | 190 | 63 | 144 | 48 | 168 | 56 | 201 | 67 | 98 | 32 | 72 | 24 | 84 | 28 | 102 | 34 |
| Sandy Loam | <.5 | 0.6 | 250 | 83 | 189 | 63 | 222 | 74 | 264 | 88 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 |
| Light Loam | <.5 | 0.6 | 250 | 83 | 189 | 63 | 222 | 74 | 264 | 88 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 |
| Heavy Loam | .5 - 1 | 0.45 | 335 | 112 | 255 | 85 | 297 | 99 | 354 | 118 | 168 | 56 | 129 | 43 | 150 | 50 | 177 | 59 |
| Silt Loam | <1 | 0.45 | 335 | 112 | 255 | 85 | 297 | 99 | 354 | 118 | 168 | 56 | 129 | 43 | 150 | 50 | 177 | 59 |
| Sandy Clay Loam | 1 - 2 | 0.45 | 335 | 112 | 255 | 85 | 297 | 99 | 354 | 118 | 168 | 56 | 129 | 43 | 150 | 50 | 177 | 59 |
| Light Clay Loam | 1 - 1.5 | 0.30 | 500 | 167 | 381 | 127 | 444 | 148 | 591 | 177 | 250 | 84 | 192 | 64 | 222 | 74 | 267 | 89 |
| Heavy Clay Loam | 1.5 - 2.0 | 0.20 | 750 | 250 | 570 | 190 | 669 | 223 | 795 | 265 | 375 | 125 | 285 | 95 | 336 | 112 | 399 | 133 |
| Light Silty Clay Loam | 1 - 1.5 | 0.30 | 500 | 167 | 381 | 127 | 444 | 148 | 591 | 177 | 250 | 84 | 192 | 64 | 222 | 74 | 267 | 89 |
| Heavy Silty Clay Loam | 1.5 - 2.0 | 0.20 | 750 | 250 | 570 | 190 | 669 | 223 | 795 | 265 | 375 | 125 | 285 | 95 | 336 | 112 | 399 | 133 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

EXPANDED POLYSTYRENE SYSTEM (EPS)

“HORIZONTAL” CONFIGURATION

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/Ft ² | Absorption Area Per Bedroom** | | | | | | | | Additional Absorption Over 2 Person Per Bedroom** | | | | | | | |
|-----------------------|-------------------------|---|-------------------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|---|-----|-----------------|-----|-----------------|-----|-----------------|----|
| | | | 3-10H | | 1 – 12 | | 2 – 12 | | 3 -12 | | 3-10 Inch | | 1-12 Inch | | 2-12 Inch | | 3-12 Inch | |
| | | | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 88 | 35 | 162 | 86 | 86 | 43 | 87 | 29 | 43 | 17 | 82 | 41 | 42 | 21 | 42 | 14 |
| Medium Sand | - | 1.2 | 88 | 35 | 162 | 86 | 86 | 43 | 87 | 29 | 43 | 17 | 82 | 41 | 42 | 21 | 42 | 14 |
| Fine Sand | - | 0.8 | 133 | 53 | 262 | 131 | 132 | 66 | 132 | 44 | 65 | 26 | 132 | 66 | 66 | 33 | 66 | 22 |
| Loamy Sand | - | 0.8 | 133 | 53 | 262 | 131 | 132 | 66 | 132 | 44 | 65 | 26 | 132 | 66 | 66 | 33 | 66 | 22 |
| Sandy Loam | <.5 | 0.6 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 | 88 | 35 | 172 | 86 | 86 | 43 | 87 | 29 |
| Light Loam | <.5 | 0.6 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 | 88 | 35 | 172 | 86 | 86 | 43 | 87 | 29 |
| Heavy Loam | .5 – 1 | 0.45 | 233 | 93 | 462 | 231 | 232 | 116 | 231 | 77 | 115 | 46 | 228 | 114 | 114 | 57 | 114 | 38 |
| Silt Loam | <1 | 0.45 | 233 | 93 | 462 | 231 | 232 | 116 | 231 | 77 | 115 | 46 | 228 | 114 | 114 | 57 | 114 | 38 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 233 | 93 | 462 | 231 | 232 | 116 | 231 | 77 | 115 | 46 | 228 | 114 | 114 | 57 | 114 | 38 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 345 | 138 | 690 | 345 | 246 | 173 | 345 | 115 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 520 | 208 | 1036 | 518 | 520 | 260 | 231 | 173 | 260 | 104 | 518 | 259 | 260 | 130 | 258 | 86 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 345 | 138 | 690 | 345 | 246 | 173 | 345 | 115 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 520 | 208 | 1036 | 518 | 520 | 260 | 345 | 173 | 260 | 104 | 518 | 259 | 260 | 130 | 258 | 86 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

EXPANDED POLYSTYRENE SYSTEM (EPS)

“TRIANGULAR” CONFIGURATION

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/Ft ² | Absorption Area Per Bedroom** | | Additional Absorption Over 2 Person Per Bedroom** | |
|-----------------------|-------------------------|---|-------------------------------|-----|---|----|
| | | | 3-10 Inch | | 3-10 Inch | |
| | | | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | |
| Coarse Sand | - | 1.2 | 62 | 31 | 30 | 15 |
| Medium Sand | - | 1.2 | 62 | 31 | 30 | 15 |
| Fine Sand | - | 0.8 | 96 | 48 | 48 | 24 |
| Loamy Sand | - | 0.8 | 96 | 48 | 48 | 24 |
| Sandy Loam | <.5 | 0.6 | 126 | 63 | 64 | 32 |
| Light Loam | <.5 | 0.6 | 126 | 63 | 64 | 32 |
| Heavy Loam | .5 – 1 | 0.45 | 168 | 84 | 84 | 42 |
| Silt Loam | <1 | 0.45 | 168 | 84 | 84 | 42 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 168 | 84 | 84 | 42 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 250 | 125 | 126 | 63 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 376 | 188 | 188 | 94 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 250 | 125 | 126 | 63 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 376 | 188 | 188 | 94 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively. The **Triangular Configuration** can only be installed in a trench.

** Bedroom is equivalent to 150 gallons per day.

CLASS DESIGNATION

| Class | Square Feet/Chamber |
|-------|---------------------|
| I | 7.51-9.50 |
| II | 9.51-11.50 |
| III | 11.51-13.50 |
| IV | 13.51-15.50 |
| V | 15.51-17.50 |
| VI | 17.51-19.50 |
| VII | 19.51-21.50 |
| VIII | 21.51-23.50 |

CHAMBER SYSTEM

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/ Ft ² | Absorption Area in Ft ² Per Bedroom** | Absorption Area in Chambers Per Bedroom** | | | | | | | | Additional Absorption Area Over 2 Persons Per Bedroom** | | | | | | | |
|-----------------------|-------------------------|--|--|---|----|-----|----|----|----|-----|------|---|----|-----|----|----|----|-----|------|
| | | | | I | II | III | IV | V | VI | VII | VIII | I | II | III | IV | V | VI | VII | VIII |
| Gravel | - | - | | NOT SUITABLE | | | | | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 88 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| Medium Sand | - | 1.2 | 88 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| Fine Sand | - | 0.8 | 133 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 7 | 6 | 5 | 5 | 4 | 4 | 3 | 3 |
| Loamy Sand | - | 0.8 | 133 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 7 | 6 | 5 | 5 | 4 | 4 | 3 | 3 |
| Sandy Loam | <.5 | 0.6 | 175 | 20 | 17 | 14 | 12 | 11 | 10 | 9 | 8 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 |
| Light Loam | <.5 | 0.6 | 175 | 20 | 17 | 14 | 12 | 11 | 10 | 9 | 8 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 |
| Heavy Loam | .5 – 1 | 0.45 | 235 | 26 | 22 | 19 | 16 | 14 | 13 | 11 | 10 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |
| Silt Loam | <1 | 0.45 | 235 | 26 | 22 | 19 | 16 | 14 | 13 | 11 | 10 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 235 | 26 | 22 | 19 | 16 | 14 | 13 | 11 | 10 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 350 | 39 | 33 | 28 | 28 | 21 | 19 | 17 | 16 | 19 | 17 | 14 | 12 | 11 | 9 | 9 | 8 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 525 | 58 | 50 | 40 | 35 | 32 | 28 | 26 | 23 | 29 | 25 | 20 | 17 | 16 | 14 | 13 | 12 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 350 | 39 | 33 | 28 | 24 | 21 | 19 | 17 | 16 | 19 | 17 | 14 | 12 | 11 | 9 | 9 | 8 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 525 | 58 | 50 | 40 | 35 | 32 | 28 | 26 | 23 | 29 | 25 | 20 | 17 | 16 | 14 | 13 | 12 |
| Sandy Clay | >2.0 | - | | NOT SUITABLE | | | | | | | | | | | | | | | |
| Silty Clay | >2.0 | - | | NOT SUITABLE | | | | | | | | | | | | | | | |
| Clay | >2.0 | - | | NOT SUITABLE | | | | | | | | | | | | | | | |

Minimum and maximum trench widths are 18 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

SETBACK REQUIREMENTS FROM SENSITIVE WATER

Minimum Distance from the Water Edge

| Soil Textural Class | Slope of Less Than 8 Percent | Slope of More Than 8 Percent |
|------------------------------|------------------------------|------------------------------|
| Gravel | NOT APPLICABLE | |
| <i>Coarse Sand</i> | 50 feet | 50 feet |
| <i>Medium Sand</i> | 50 feet | 50 feet |
| <i>Fine Sand</i> | 50 feet | 50 feet |
| Loamy Sand | 50 feet | 50 feet |
| Sandy Loam | 50 feet | 50 feet |
| <i>Light Loam</i> | 50 feet | 50 feet |
| <i>Heavy Loam</i> | 50 feet | 50 feet |
| Silt Loam | 50 feet | 50 feet |
| Sandy Clay Loam | 50 feet | 50 feet |
| <i>Light Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Clay Loam</i> | 50 feet | 50 feet |
| <i>Light Silty Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Silty Clay Loam</i> | 50 feet | 50 feet |
| Sandy Clay | 50 feet | 50 feet |
| Silty Clay | 50 feet | 50 feet |
| Clay | 50 feet | 50 feet |

The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge**.

Title 15: Mississippi State Department of Health

Part 18: On-site Wastewater

Subpart 77: On-site Wastewater Regulations

Chapter 7. FEES

Rule 7.1 The Department shall assess fees in the amount for the following processes. In the discretion of the Board, a person shall be liable for a penalty equal to one and one-half (1-1/2) times the amount of the fee due and payable for failure to pay the fee on or before the date due, plus any amount necessary to reimburse the cost of collection. All fees due the Department shall be paid by check or money order.

SOURCE: Miss Code Ann § 41-67-3

Subchapter 1. ADMINISTRATIVE

- 1. Soil and Site Evaluation
 - a. Permit/Recommendation.....\$50.00
- 2. Existing System (Inspection).....\$50.00
- 3. Final Approval
 - a. Design-based System.....\$75.00
 - b. Performance-based System.....\$250.00
 - c. Re-inspection (per inspection).....\$25.00
- 4. Examination.....\$100.00
- 5. Registration (Certification and CEU/PDH).....\$25.00
- 6. Return Check\$50.00
- 7. Late.....1/2 certification fee

Subchapter 2. CERTIFICATION

- 1. Certified Manufacturer
 - a. Product Review.....\$250.00
 - b. Certification of Registration.....\$100.00
- 2. Certified Professional Evaluator
 - a. Initial Certification.....\$600.00

- b. Renewal Certification.....\$500.00
 - 3. Certified Installer
 - a. Initial Certification.....\$50.00
 - b. Renewal Certification.....\$50.00
 - 4. Certified Pumper
 - a. Initial Certification.....\$50.00
 - b. Inspection (by county).....\$25.00/Vehicle
 - c. Renewal Certification.....\$50.00

Subchapter 3. REVIEW

- 1. Subdivision\$250.00 + \$5.00/lot
- 2. Commercial Development.....\$50.00 + \$2.00/lot
- 3. Commercial Establishment.....\$50.00
- 4. Submittal (PE or CPE)
 - a. Design-based System.....\$100.00
 - b. Performance-based System.....\$250.00
 - c. 1500 gpd or more.....\$250.00
 - d. High strength wastes streams.....\$250.00

SOURCE: Miss Code Ann § 41-67-3

Rule 7.2 Fees authorized under this section shall not be assessed for any system operated by state agencies or institutions, including, without limitation, foster homes licensed by the State Department of Human Services. The fee authorized under this section shall not be charged again after payment of the initial fee for any system that has been installed in accordance with this chapter, within a period of 24 months following the date that the system was originally installed.

SOURCE: Miss Code Ann § 41-67-3

Title 15: Mississippi State Department of Health

Part 18: On-site Wastewater

Subpart 77: On-site Wastewater Regulations

Chapter 2. CERTIFICATION

Subchapter 1. ~~Introduction~~

Rule 2.1.1 ~~Purpose: The purpose of this regulation is to establish a regulatory standards regarding certification of the Manufacturers, Professional Evaluators, Installers, Pumpers, Maintenance Providers, and Qualified Homeowner Maintenance Providers that applies for the design, construction, installation, repair, maintenance, operation, removal and disposal of liquid waste of Individual On-site Wastewater Disposal System.~~

Rule 2.1 Certification. All persons receiving a certification by the Department must be in compliance with all statute and rules. No person may operate as a Certified Manufacturer, Certified Professional Evaluator, Certified Installer, Certified Pumper or Qualified Homeowner Maintenance Provider unless certified or recognized by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.1.2 ~~Authority: The State Board of Health is authorized to promulgate these rules under and by virtue of Section 41-3-15(1)(b)(iii), (4)(a)(b)(c)(e)(h)(i), Section 41-3-17 and Section 41-67-1 through 41-67-39, Mississippi Code of 1972, Annotated.~~

Rule 2.2 Definitions. The definitions in this Chapter apply as stated unless otherwise specified.

1. ~~Advanced Treatment System – Individual On-site Wastewater Treatment Systems that complies with Section 41-67-10.~~
2. ~~Advance Treatment Unit Distributor – a person authorized by the registered manufacturer to sell Advanced Treatment Systems to authorized Certified Installer(s) in the State of Mississippi.~~
3. ~~Advanced Treatment Unit Manufacturer – a person authorized by the American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40 to construct an aerobic treatment unit that is listed and registered by the State of Mississippi.~~
4. Alternative techniques/technologies – a technique or technology used to achieve acceptable treatment and dispersal of wastewater through advanced treatment schemes as deemed by the Department.

5. Authorized Representative – an organization, group, individual, or other entity that is authorized by the manufacturer to distribute, sell, install, or service residential wastewater treatment systems.
6. Certification – the act of confirming competency to design, construct, maintain, install, removal and/or disposal of sludge and liquid waste from Individual On-site Wastewater Disposal Systems.
7. Certification Training Program – a program developed by the Department to confirm competency to design, construction, installation, repair, maintenance, operation, and removal and disposal of liquid waste of Individual On-Site Wastewater Disposal Systems.
8. Certified Installer – any person who has met the requirements of **Section 41-67-25** and subsequent rules.
9. ~~Certified Maintenance Provider – any person who holds a written certification issued by the Department allowing the person to provide maintenance services associated with approved on-site wastewater treatment and disposal systems.~~
10. ~~Certified Manufacturer – a person authorized by the American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40 to construct an aerobic treatment unit that is listed and registered by the State of Mississippi to operate a business in or do business in the State of Mississippi that develops, designs and fabricates residential Individual On-site Wastewater treatment Disposal Systems and their components.~~
11. Certified Professional Evaluator – any person who has met the requirements of **Section 41-67-37** and subsequent rules.
12. ~~Certification Training Program – a program developed by the Department to confirm competency to design, construction, installation, repair, maintenance, operation, and removal and disposal of liquid waste of Individual On-Site Wastewater Disposal Systems.~~
13. Certified Pumper – any person engaged in the business or practice of removing and disposing of the sludge and liquid waste form Individual On-site Wastewater Disposal Systems who has met the requirements of **Section 41-67-39** and subsequent rules.
14. Cleaning – the removal and transportation of septage or other liquid waste from an onsite sewage treatment and disposal system or Portable Toilet (Self-contained) to an approved disposal location.
15. Components – all physical, mechanical, and electrical components of any wastewater disposal system.

16. Continuing Education Unit (CEU) – an educational course provided through the Department or other entities approved by the Department for the purpose of meeting continuing education and/or Professional Development Hours (PDH) required for the Certified Professional Evaluator/Environmental, Certified Installer, ~~Certified Maintenance Providers, Qualified Homeowner Maintenance Providers,~~ and Certified Pumper.
17. Conventional System – an Individual On-Site Wastewater Disposal System consisting of a septic tank and subsurface disposal field.
18. Distributor – a person authorized by the ~~registered~~ Certified manufacturer to sell ~~Advanced Treatment Systems~~ any registered product to authorized Certified Installer(s) in the State of Mississippi.
19. Errors and Omission – coverage protecting the insured against legal liability resulting from negligence, carelessness or a failure to act causing property damage or personal injury to others. Coverage may include burglary and theft.
20. Fabricator – a person authorized by the Certified Manufacturer to build or construct a registered product or component for the purposes of treating or disposing of wastewater in the State of Mississippi.
21. General Business Liability Insurance – coverage protecting the insured against legal liability resulting from negligence, carelessness or a failure to act causing property damage or personal injury to others. Coverage may include burglary and theft.
22. ~~Holding Tank – a vessel used to hold effluent for a limited time as specified in Section 41-67-11.~~
23. Lime – a dry white powder consisting essentially of calcium hydroxide that is made by treating quicklime with water.
24. ~~Manufacturer – a person operating a business in or doing business in the State of Mississippi that develops, designs, and fabricates residential wastewater treatment and disposal systems and their components.~~
25. Maintenance – the inspecting and evaluating of an Advanced Treatment System. The replacement of any component registered with a specific Advanced Treatment System (i.e. aerator, diffuser, control panel, etc.).
26. Monitoring Visit – an inspection performed by the third party certifier to ensure that the manufacturer, distributor and installer are complying with *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40* requirements.
27. Person – any individual, trust, firm, joint-stock company, public or private corporation (including a government corporation), partnership, association, state,

or any agency or institution thereof, municipality, commission, political subdivision of a state or any interstate body, and includes any officer or governing or managing body of any municipality, political subdivision, or the United States or any officer or employee thereof.

28. Portable Toilet (Self-Contained) – a single or multi-unit toilet and holding tank system combination that is required to be collected, removed, transported and disposed by a Certified Pumper.
29. Qualified Homeowner Maintenance Provider – a person who has received authorization by a Certified Manufacturer to maintain/service his/her Advanced Treatment System at their current property address and has met the requirements of the subsequent rules.
30. Registered Professional Engineer – any person who has met the requirements under **Section 73-13-23(1)** and who has been issued a certificate of registration as a professional engineer.
31. Surety – a three-party agreement where the insurer agrees to pay a second party (the obligee) or make complete an obligation in response to the default, acts or omissions of a third party (the principal).
32. Third Party Certifier – a certifying program ~~which complies with the following provisions for systems which it has certified to be installed in Mississippi: accredited by the *American National Standards Institute (ANSI)*, which complies with **Section 41-67-10**.~~
 - a. ~~Be accredited by the *American National Standards Institute (ANSI)*.~~
 - b. ~~Having established procedures which send representatives to distributors in Mississippi on a recurring basis to conduct evaluations to assure that distributors of certified advanced treatment systems are providing proper maintenance, have sufficient replacement parts available and are maintaining service records.~~
 - c. ~~Notify the Department of the results of monitoring visits to manufacturers and distributors within 60 calendar days of the conclusion of the monitoring.~~
 - d. ~~Submit completion reports on testing and any other information as the Department may require for its review.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.3 **Certified Registered Manufacturers.** A person may not operate or be engaged or do in the business of manufacturing, fabricating or distributing any Individual On-site Wastewater Disposal System or component in the State of Mississippi unless

they hold a valid ~~certification~~ license of registration ~~from the~~ issued by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.4 Products. The following items must be registered by the Department:

1. Treatment
 - a. Advanced Treatment ~~Units~~Systems
 - b. Septic Tanks
 - c. ~~Holding Tanks~~
 - d. Non-water borne Systems
 - e. Alternative ~~wastewater~~ Techniques/Technologyies
2. Disposal
 - a. Aggregate Replacement
 - b. ~~Subsurface~~Drip Irrigation
 - c. Spray Irrigation
 - d. Alternative ~~wastewater~~ Techniques/Technologyies
3. Disinfection Device(s)
4. Effluent Filter

Source: *Miss Code Ann § 41-67-3*

Rule 2.5 ~~Requirements:— It is unlawful for a Manufacturer of an Individual On-site Wastewater Disposal System or alternative treatment or disposal component to operate a business in or to do business in the State of Mississippi without holding a valid manufacturer's registration issued by the Department.~~

Rule 2.6 ~~Application: All Manufacturers must annually complete and submit the following:~~

Rule 2.7 Registration. All manufacturers wishing to be registered must submit the following information for review to the Division:

1. Application
2. Electronic or detailed drawing(s), with construction material(s)

3. Installation and/or homeowner manual(s) for each product ~~requesting registration~~
4. ~~Listing and identification of all Fabricators and Distributors of their products and a list of authorized Certified Installers and Certified Maintenance Providers.~~
5. Documentation listing and identifying of the following:
 - a. Certified Installer(s)
 - i. Install
 - ii. Maintain/Service
 - b. Distributor(s)
 - c. Fabricator(s)
 - d. Technical Training Staff
6. ~~Contact information of all technical staff providing training.~~
7. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.6 Product Specifics. Each product to be registered requires the following additional documentation:

1. Treatment
 - b. Advanced Treatment System
 - i. All Advanced Treatment Systems and other treatment technologies ~~may be installed only if they have~~ must be tested and listed by a third party certifying program. Such advanced treatment systems shall be in compliance with standards for Class I systems as ~~defined~~ determined by the most current revision of *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40*, hereby incorporated by reference. ~~Registration and requirements for testing and listing of manufacturers of advanced treatment systems:~~
 - ii. Documentation, from a Third Party Certifier accredited by the *American National Standards Institute*, ~~that~~ must prove the ~~manufacturer's~~ product has successfully completed the testing and listing process as outlined *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40/245* ~~or later edition.~~

- iii. Submit completed reports on testing and evaluation of each Advanced Treatment System verifying compliance with American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40/245. Such reports shall include but not be limited to the following:
 - 1. Materials
 - 2. Design and construction
 - 3. Performance requirement (BOD, TSS, pH), etc.
 - 4. Operation and maintenance
- iv. All Third Party Certifiers notify the Division of inspection procedure, which representative(s) to a minimum of 1 distributor of each manufacturer in Mississippi on an annual basis to conduct evaluation to assure the distributor is providing proper maintenance, has sufficient replacement parts available and is maintaining service records.
- v. All Third Party Certifiers must notify the Division of the results of monitoring visits to manufacturer and distributors within 60 calendar days of the conclusion of the monitoring.
- vi. All Third Party Certifiers must be disassociated with, and have no vested interest in, the manufacturer to which certification services are provided.
- vii. ~~On or before **October 1, 1996** each Manufacturer not currently tested and listed by a Third Party Certifier, accredited by the American National Standards Institute, shall submit to the Department evidence that such manufacturer has commenced the testing/listing process. Within 9 months after the submission of such evidence, each Manufacturer must have completed the testing/listing process.~~
- viii. Each manufacturer must have established procedures which send representatives to a minimum of 10% ~~percent~~ of its distributors in Mississippi on an annual basis to conduct evaluations to assure the distributor of certified Advanced Treatment Systems is providing proper maintenance, has sufficient replacement parts available and is maintaining service records. Annual monitoring reports, from the manufacturer and Third Party Certifier must be submitted to the Division prior to re-registration.

- ix. ~~Design, Construction and reinforcement must comply and conform to applicable Design Standard rules and regulations of *Chapter 5, Subchapter 1.*~~

SOURCE: *Miss Code Ann § 41-67-3*

2. **Third Party Certifier:**

1. ~~Advanced treatment systems and other treatment technologies may be installed only if they have been tested and listed by a third party certifying program. Such advanced treatment systems shall be in compliance with standards for Class I systems as defined by the most current revision of *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40*, hereby incorporated by reference. An approved third party certifying program shall comply with the following provisions in order for systems which it has certified to be installed in Mississippi:~~
 - b. ~~On and after **October 1, 1996** an approved Third Party certifying program shall be accredited by the *American National Standards Institute (ANSI).*~~
 - b. ~~Have established procedures, which send representatives to a minimum of 1 distributor of each Manufacturer in Mississippi on an annual basis to conduct evaluations to assure the distributor of certified advanced treatment systems is providing proper maintenance, has sufficient replacement parts available and is maintaining service records.~~
 - b. ~~Notify the Division of the results of monitoring visits to manufacturers and distributors within 60 calendar days of the conclusion of the monitoring.~~
 - b. ~~Submit completed reports on testing and evaluation of each advanced treatment system verifying compliance with *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 40*. Such reports shall include but not be limited to the following:~~
 - i. ~~Materials~~
 - ii. ~~Design and construction~~
 - iii. ~~Performance requirement (BOD, TSS, pH)~~
 - iv. ~~Operation and maintenance~~
 - b. ~~The Third Party certifying entity must be disassociated with, and have no vested interest in, the manufacturer to which certification services are provided.~~

- ~~b. Information including specifications of each system and/or component part of the system as deemed necessary by the Department for review.~~
- ~~b. Design, construction and reinforcement must comply and conform to applicable rules and regulations of *Chapter 5 Subchapter 1*.~~
- b. Septic Tanks
 - ~~i. Septic tanks— The Division shall consider the review of, including an on-site inspection, the plans, specifications, and construction criteria and shall determine them to be in compliance with the regulation prior to manufacturing, fabricating, distributing and selling, as well as conduct an on-site inspection.~~
 - ii. Design, construction and reinforcement must comply and conform to applicable Design Standard rules and regulations of *Chapter 5, Subchapter 1*.
- ~~c. Holding tanks—The Division shall review, including an on-site inspection, the plans, specifications, and construction criteria and shall determine them to be in compliance with the regulation.~~
- ~~i. Design, construction and reinforcement must comply and conform to applicable rules and regulations of *Chapter 5 Subchapter 1*.~~
- e. Non-waterborne System
 - ii. Documentation, from a Third Party Certifier accredited by the *American National Standards Institute*, must prove the certification that product has successfully completed testing and listing process as outlined in *American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 41*, hereby incorporated by reference.
- f. Alternative techniques/technologies
 - iii. The Division shall consider the review of plans, specifications, and construction criteria and shall determine them to be in compliance with the regulation prior to manufacturing, fabricating, distributing and selling, as well as conduct an on-site inspection.
 - iv. Alternative Wastewater Technology – Treatment and/or disposal systems/products must be documented, reviewed and by the Division to verify compliance with the applicable standards.

2. Disposal

~~Disposal: All Manufacturers must provide a copy of installation and/or homeowner manual(s) for each of their products. Hydraulic calculations on an alternative system installation on all products that may be required to be pressurized as part of the dispersal process this includes but not limited to, Subsurface Drip, Spray Irrigation, Elevated Sand Mound, and normally gravity fed dispersal systems that would have to be pressurized. List of all component parts authorized for use in the installation of the product including but not limited to, elbows, connectors, geo-textile fabric, and methods of equal distribution.~~

- a. All Certified Manufacturers must provide a copy of installation and/or homeowner manual(s) for each of their products to the Certified Installer.
- b. All Certified Manufacturers must provide a copy of hydraulic calculations for pressurized systems, this includes but not limited to, Drip Irrigation, Spray Irrigation, Elevated Sand Mound, and normally gravity-fed dispersal systems that would have to be pressurized.
- c. List of all component parts authorized for use in the installation of the product including but not limited to, elbows, connectors, geo-textile fabric, end caps and methods of equal distribution, etc.

ii. Product Specifics. Each product requires the following:

- a. Aggregate Replacement System – The Division shall review, including an on-site inspection(s) if deemed necessary, the plans, specifications and construction criteria and shall determine them to be in compliance with the regulation. The Division shall require a complete design from treatment to disposal for the minimum and maximum sized system, this shall also include, pump chamber, pump chamber alarm(s), pump(s), filter(s), valve(s), air release(s), aggregate replacement product and connector(s).
- b. ~~Subsurface~~ Drip Irrigation – The Division shall review, including an on-site inspection(s) if deemed necessary, the plans, specifications and construction criteria in order to determine compliance with the regulation. The Division shall require a complete design from treatment to disposal, this shall also include, pump chamber, pump chamber alarm(s), pump(s), filter(s), valve(s), air release(s), tubing and connector(s). Hydraulic calculation must be submitted for the minimum and maximum sized system.
- c. Spray Irrigation – The Division shall review, including an on-site inspection(s) if deemed necessary, the equipment intended to be utilized in the construction of spray irrigation systems to verify compliance with the regulation.

The Division shall require a complete design from treatment to disposal, to include, pump chamber, pump chamber alarm(s), pump(s), filter(s), valve(s), spray head(s) and connector(s). Hydraulic calculation must be submitted for the minimum and maximum sized system.

- d. Alternative techniques/technologies – All alternative wastewater treatment and/or disposal systems/products must be documented and reviewed by the Division to verify compliance with the applicable standards.

3. Disinfection Device(s)

- i. The Division shall consider the review, including an on-site inspection(s) if deemed necessary, the of plans, specifications and construction criteria and shall determine them to be in compliance with regulation prior to manufacturing, fabricating, distributing and selling, as well as conduct an on-site inspection. ~~The Division shall require a complete design from primary treatment to disposal.~~

4. Effluent Filter

- i. Documentation, from a Third Party Certifier accredited by the American National Standards Institute, must prove the product has successfully completed testing and listing process as outlined in American National Standards Institute/National Sanitation Foundation (ANSI/NSF) International Standard Number 46, hereby incorporated by reference.
- ii. Design and construction must comply and conform to applicable Design Standard ~~rules and regulations of Chapter 5, Subchapter 1.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.7 Responsibilities of Certified Manufacturers. All manufacturers must comply and conform to all rules and Regulation(s) and the National Sanitation Foundation/American National Standard Institute Standard 40, hereby incorporated by reference.

In addition to, the following documentation must be provide to the Division:

1. ~~All Manufacturers must demonstrate that all processes necessary to comply and conform to Regulations and Manufacturer specifications by the following:~~
2. ~~Provide documentation to the Division necessary for registration to include Testing and listing of manufacturers of Advanced Treatment Systems~~
3. ~~Provide documentation on the Maintenance agreement for any Advanced Treatment System alternative on-site wastewater disposal system, with a copy of~~

the maintenance agreement outlining the type of service, length of service and frequency of service to be provided

4. ~~Notify the Division of the~~ Results of monitoring visits to manufacturers and distributors within 60-calendar days of the conclusion of the monitoring
5. ~~Provide~~ Name(s) of technical trained staff ~~to the Division~~ for utilization during the on-site maintenance training program for all Advanced Disposal Systems ~~alternate disposal systems certified in Mississippi.~~
6. ~~Provide documentation that an~~ Name(s) of Certified Installer(s) of Advanced Treatment Systems Alternative Systems or products has received the necessary training as an ~~has been trained as a factory trained and authorized representative and must furnish documentation to the Division certifying the satisfactory completion of factory training and the establishment of the installer as an authorized manufacturer's representative.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.8 Responsibilities of Fabricators. All fabricators must comply and conform to all rules and regulation and Certified Manufacturer requirements.

In addition to, the following must be provided to the Division:

1. ~~All Fabricators must demonstrate that all processes necessary to comply and conform to Regulations and Manufacturer specifications by the following:~~
2. ~~Provide documentation of all~~ Concrete purchases, concrete providers, type(s) of reinforcement and date of fabrication
3. ~~Provide documentation that the mold meets the Manufacturer's specifications and~~ Ensure indicate location issued registration ID number is located per Certified Manufacturer specification
4. ~~Provide documentation from Manufacturer that~~ Annual inspection report from Certified Manufacturer
5. Provide a list of Distributors and Certified Installers authorized by the Certified Manufacturer to install the product.

Source: *Miss Code Ann § 41-67-3*

Rule 2.9 Expiration. Manufacturer certifications shall expire on **December 31**, unless suspended or revoked.

Source: *Miss Code Ann § 41-67-3*

Rule 2.10 Renewal. A Certified Manufacturer may apply for renewal not more than 60 calendar days prior to the expiration of his ~~Manufacturer~~ certification. **Note:** If more than 31-calendar days have elapsed from ~~December 31~~, the Department shall require an Applicant to ~~comply with the provisions of initial certification. Suspended certifications are not renewable until reinstated by the Department; revoked certifications cannot be renewed.~~ Any person applying for renewal shall file with the Division the following:

1. Application
2. Documentation listing and identifying of the following:
 - a. Certified Installer(s)
 - i. Install
 - ii. Maintain/Service
 - b. Distributor(s)
 - c. Fabricator(s)
 - d. Technical Training Staff
3. Fee
 1. ~~A Manufacturer shall file a complete application in a form provided by the Division and pay the application fee.~~
 2. Submittal Reports
 - b. ~~Provide proof and certification that Manufacturer has factory trained installers or other factory representatives to educate the homeowner with the necessary knowledge to provide maintenance to the homeowner's system, thus allowing the homeowner to meet the requirements of Section 41-67-6(8).~~
 - b. ~~Provide documentation when a Certified Installer of alternative systems or products has been factory trained and listed as an authorized representative.~~
 - b. ~~Provide notification to the Division within 10 working days whenever the Manufacturer no longer authorizes any Certified Installer, Certified Maintenance Provider or Qualified Homeowner Maintenance Provider~~
 - b. ~~Provide notification of any changes made to a product by following Section 103.04. If a Third Party Certifier must approve the change, this documentation must be submitted to Division prior to the implementation of the changes approved by the Third Party.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.11 ~~Informal Fact Finding and Hearing~~

1. ~~Whenever the Department intends to take action to suspend or revoke a Manufacturer's certification, there must be an informal fact finding conference before the Department, where proper notice has be given to the affected party.~~
 - b. ~~The Manufacturer shall be notified in writing. The notice must be hand delivered or sent by certified mail. The notice must provide the factual and legal basis for the contemplated action and must give the date, time, place, and location of the informal fact finding conference.~~
 - b. ~~The informal fact finding conference is to be conducted by the Department. The conference shall be conducted in accordance with, but is not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings.~~
 - b. ~~The Department shall render a decision based on the informal fact finding conference in a timely manner, and shall as deemed appropriate initiate suspension or revocation proceedings in accordance with regulations.~~
 - b. ~~When action is taken to suspend a Manufacturer's certification, that suspension shall be for a specified period of time. Remedial actions including, notification by Third Party Certifier that manufacturer has corrected all deficiencies, updating or modifying training procedures, and correction to components of any registered product as may be specified in the suspension notice.~~

Rule 2.12 Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

2. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
3. Administrative Hearing (District)

- b. The Division will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
 - ii. The certificate holder must submit a written request, to the Hearing Officer, within 10-calendar days from date of receipt of notice of revocation or suspension
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
 - iv. Conduct hearing with or without certificate holder
 - v. Mail decision of Hearing Officer to all parties within 10-working days

- 4. Administrative Hearing (State)
 - b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing, with or without, certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days

- 5. Judicial Review. In case of an adverse decision, the appellant will be advised of the right to pursue judicial review.
 - i. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.12 Penalties. Any Certified Manufacturer found guilty in an Administrative Hearing may be penalized by 1 or more of the following:

- 3. Violation of statute(s), falsification of documentation or acts of misrepresentation
 - g. Immediate revocation of certification

- h. Removal of listing of Fabricators, Distributors and Certified Installers
 - i. Notification of Third Party Certifier
 - j. Correct, if necessary, any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
4. Violation of rule(s) or orders of the Board
- c. Suspension of certification
 - k. Removal of listing of Fabricators, Distributors and Certified Installers
 - l. Notification of Third Party Certifier
 - d. Correct, if necessary, any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
- ~~5. The Department may suspend or revoke a Manufacturer certification for failure to comply with any law administered by the Board, Department, any regulations of the Board, any order of the Board or Department after due notice.~~
- ~~6. Actions that may result in suspension or revocation include, but are not limited to, falsifying any document, and any act of misrepresentation.~~
- ~~7. If any person or contractor fails to comply with all requirements and regulations in the installation of the system, the Board, after due notice and hearing, may levy an administrative fine not to exceed Ten Thousand Dollars (\$10,000.00). Each wastewater system installed not in compliance with this chapter or applicable rules and regulations of the Board shall be considered a separate offense.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.13 Reinstatement. ~~A If any person whose Manufacturer certification has been revoked must repeat initial certification pursuant to statutes or regulations, may apply to the Division for reinstatement as a Manufacturer no sooner than 2 years after the effective date of the revocation. Reinstatement of a Manufacturer certification shall include:~~

- ~~1. An application, fee and statement (if applicable) that no activities took place after certification was revoked.~~
- ~~2. Provide documentation that the Applicant has satisfactorily completed any remedial actions required as a result of the revocation. Remedial actions including, notification by Third Party Certifier that manufacturer has corrected all deficiencies, updating or modifying training procedures, and correction to~~

~~components of any registered product as may be specified in the suspension notice.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.14 **Certified Professional Evaluators.** A person may not be engaged in the business relating to the design, construction or installation of any Individual On-Site Wastewater Disposal Systems in this state unless that person has a valid license issued by the Department, except a registered Professional Engineering licensed by the State of Mississippi.

Any system proposed for authorization in accordance with performance standards must be designed and certified by a Professional Engineer registered in the State of Mississippi.

~~Nothing in this chapter shall preclude a Certified Professional Evaluator or registered Professional Engineer from providing services relating to the design of an Individual On-site Wastewater Disposal System to comply with this chapter, except for Performance-based Systems. A Certified Professional Evaluator or registered Professional Engineer shall notify the department in writing of those services being provided, including the type of treatment, the type of disposal, and the property address for the treatment and disposal system. Construction or installation shall not begin prior to authorization by the department. The department shall respond within ten (10) business days with authorization that the Certified Professional Engineer or registered Professional Engineer fulfills the requirements of the law.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.15 Pre-requisites. Any person wishing to become a Certified Professional Evaluator must provide documentation to the Department, that he/she meets 1 of the following:

Requirements:

~~A person may not operate as a Certified Professional Evaluator in this state unless the Department currently certifies that person.~~

~~A person must meet 1 of the following requirements, in addition to the additional requirements set forth in other sections of this chapter and rules and regulations of the Board, in order to be eligible to become a Certified Professional Evaluator:~~

1. Be a professional Geologist registered in the State of Mississippi;
2. Be a Professional Soil Classifier licensed in the State of Mississippi; or
3. Be a person who possesses a demonstrable, adequate and appropriate record of professional experience and/or training as determined by the Department. The eligibility will be based on the following:

- a. ~~Before approving a Professional Evaluator application, the Department may make further Inquiries, investigations and/or interviews with respect to the qualifications and all references, etc. to confirm the information supplied. A personal interview with the Applicant may also be requested.~~
 - b. ~~If the Department finds that the An Applicant not meeting the minimum pre-requisites requirements for certification, as a Professional Evaluator, the Applicant shall be sent written notification, by certified mail or hand delivered, stating the reasons for denial of the certification. The notice to the Applicant of denial shall also state that the Applicant has the right to a hearing to challenge the certification denial. Any request for a hearing must be received by the Department within 30-calendar days of the affected party's receipt of written notice of the decision.~~
 - c. Applicants who have been determined ineligible for any reason may request further consideration by submitting, in writing, evidence of additional qualifications, training, or experience to the Department for further review. ~~No additional fee will be required provided the additional information is submitted and received within 1 year from the date the original application. After such period, a new application shall be required.~~
4. All Applicants found to be eligible will be notified of trainings provided by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.16 Application. ~~Any specified~~ All persons wishing to be certified must submit the following information to the Division ~~may apply to the Division for certification if:~~

1. ~~Passes written and field examinations;~~
2. ~~Complete Application is filed;~~
3. Copy of state registration or license from appropriate board or record of professional experience or training
4. ~~Submits 3 professional references; and~~
5. ~~Pays Fee~~
6. ~~Those holding a current certificate as a Professional Engineer from the Mississippi Board of Licensure for Professional Engineers and Surveyors shall be eligible to provide services without a certificate as a Certified Professional Evaluator.~~

OF

7. ~~Demonstrates and provides documentation to the satisfaction of the Division, that he/she has a minimum of 1 year of full-time experience evaluating soil and site conditions for Individual On-site Wastewater Disposal Systems in Mississippi in accordance with the Board of Health's regulations and a 4 year college degree in a related study in science or engineering, and shall be eligible to receive a certificate as an Professional Evaluator provided:~~
- ~~b. The Applicant successfully completes a training program or programs designated and approved by the Division; and~~
 - ~~b. The Applicant successfully completes the written and field examinations approved by the Division.~~

or

8. ~~Demonstrates to the satisfaction of the Division that he has a minimum of 2 years of full-time experience evaluating soil and site conditions for Individual On-site Wastewater Disposal Systems in Mississippi in accordance with the Board of Health's regulations and a 2 or 4 year college degree shall be eligible to receive a certificate as a Professional Evaluator provided:~~
- ~~b. The Applicant successfully completes a training course or courses designated and approved by the Division;~~
 - ~~b. The Applicant passes the written and field examinations; and~~
 - ~~b. The Applicant provides a written statement signed by a current or former supervisor or a Certified Professional Evaluator with a current certification stating that the person is sufficiently experienced to become a Professional Evaluator.~~

or

9. ~~Demonstrates to the satisfaction of the Division that he/she has a minimum of 3 years experience evaluating soil and site conditions for Individual On-site Wastewater Disposal Systems in Mississippi in accordance with the Board of Health's regulations shall be eligible to receive a certificate as a Professional Evaluator provided:~~
- ~~b. The Applicant successfully completes a training program or programs designated and approved by the Division;~~
 - ~~b. The Applicant successfully completes the written and field examinations approved by the Division; and~~
 - ~~b. The Applicant provides a written statement signed by a current or former supervisor or a Certified Professional Evaluator with a current certification stating that the person is sufficiently experienced to become a Professional Evaluator.~~

10. ~~Qualification review~~
 - b. ~~The Department shall review applications and determine if the Applicant is eligible for the examination.~~
 - b. ~~Applicants who have been determined ineligible for any reason may request further consideration by submitting, in writing, evidence of additional qualifications, training, or experience to the Department for further review. No additional fee will be required provided the additional information is submitted and received within 1 year from the date the original application. After such period, a new application shall be required.~~
 - b. ~~If the Department finds that the Applicant has not met the minimum requirements for certification as a Professional Evaluator, the Applicant shall be sent written notification, by certified mail or hand delivered, stating the reasons for denial of the certification. The notice to the Applicant of denial shall also state that the Applicant has the right to a hearing to challenge the certification denial. Any request for a hearing must be received by the Department within 30 calendar days of the affected party's receipt of written notice of the decision.~~
 - b. ~~Before approving a Professional Evaluator application, the Department may make further inquiries and investigations with respect to the qualifications of the Applicant and all references, etc. to confirm the information supplied. A personal interview with the Applicant may also be requested.~~
4. ~~Those persons taking written and field examinations specified in Section 41-67-123(2)(b) shall pay a fee for such testing as determined by the Department based on the actual costs of preparing and administering the examinations.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.18 Training Program and Examination. All persons found eligible for certification as a Professional Evaluator must complete the following:

1. Basic Soils Training will be a 1-week field course focusing on soil principles and evaluation techniques, specifically focusing on evaluating soils for use with on-site wastewater disposal.
2. Advanced Soils Training will be a 2-day field course with the candidate in the location or area of expertise. General soil conditions of the specific area will be reviewed.
3. ~~On-site Wastewater Disposal System~~ Basic Design training will be a 1-week field course focusing on the design, placement, installation, operation and maintenance of on-site systems. ~~Department will select sites for candidates and provide access~~

~~to 5 proposed on-site wastewater disposal system sites. The candidate will provide soil information along with their written recommendation(s) for these sites. These 5 proposed recommendations will be evaluated by the Division of On-site Wastewater and using the Mississippi State Department of Health Wastewater Quality Assurance Review Process.~~

4. Advanced Design training will be a 2-day field course focusing with the candidate in the location of area of expertise. General design, placement, installation, operation and maintenance will be review.
5. Pass the 8-hour examination.

Source: *Miss Code Ann § 41-67-3*

Rule 2.19 “Probation” Certification. All Applicants wishing to receive a certification must complete the following:

1. ~~The candidate must~~ Received a score 80% or better on 8-hour exam ~~to receive a probation certification. All sites done under a probation certification must be evaluated by the Division before an approval is given.~~
2. ~~Provides proof~~ Copy of having an Errors and Omissions policy or surety in effect with liability limits of at least Fifty Thousand Dollars (\$50,000.00) per occurrence and at least One Hundred Thousand Dollars (\$100,000.00) in total aggregate amount; and

Source: *Miss Code Ann § 41-67-3*

Rule 2.20 Certification. All Applicants wishing to receive a certification must complete the following:

1. All items under the Probation Certification
2. Received authorization of 5 designs
3. ~~A permanent certification will be issued after his/her first 10 sites are evaluated and~~ Receive a score of 80% or better on quality assurance review ~~higher are achieved.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.21 Responsibilities. All persons holding a Probation or Permanent certification, or engaging in the business of designing, constructing or installing an Individual On-site Wastewater Disposal System, shall abide by the following:

1. Provide complete information, including all applicable requirements and regulations on all systems recommended to the owner, lessee or developer which shall have the right to choose among systems.

2. Notify the Department at least 48 24-hours before beginning construction ~~if acting as the Certified Installer~~ of an Individual On-site Wastewater Disposal System and, at that time, schedule a time for inspection of the system with the appropriate county Department of Health.
3. Provide a copy to the Division of signed Affidavit-~~Installation and Affidavit-Maintenance~~, if applicable ~~and any additional required documentation that the system was installed in compliance with all requirements, regulations and permit conditions applicable to the system installed. This applies only if the Certified Professional Evaluator is acting as the Certified Installer. The Affidavit must be given to the Applicant of the Notice of Intent.~~
4. Furnish proof of certification to a property owner or the owner's representative of the property before performing a site and site evaluation of the property on which an individual on-site wastewater disposal system is to be designed, constructed, repaired or installed by the Certified Professional Evaluator and to the Department or its authorized representative, if requested.
5. Notify the Department of any change in address, business partnership or affiliation, or any other status that affects his standing as a Professional Evaluator. Such notice must be in writing and must be delivered to the Department within 10-working days.
6. Shall not knowingly associate in a business venture with, or permit the use of the Professional Evaluator's name or firm name by, any person or firm where there is reason to believe that person or firm is engaging in activity of a fraudulent or dishonest nature or is violating any law or regulations of the Department.
7. ~~Except as provided in paragraph 9 of this section, a Certified Professional Evaluator~~ Shall not utilize the evaluations, design, drawings or work of other Certified Professional Evaluator without knowledge and written consent of the ~~Certified Professional Evaluator or organization of ownership~~ party that originated the design, drawings or work. In the event that the Certified Professional Evaluator who generated the original document is no longer employed by the firm retaining ownership of the original documents or is deceased, another Certified Professional Evaluator who is a partner or officer in the firm retaining ownership of the original documents may authorize utilization of the original documents by another Certified Professional Evaluator or firm. This fact must be disclosed to the Department when submitting applications supported by Certified Professional Evaluator materials and certifications.
8. ~~Provide information,~~ Utilizing information in the Department's files or has received permission to modify or otherwise utilize the evaluation, design, drawings or work of another Certified Professional Evaluator, the Certified Professional Evaluator may certify that work only after a thorough review of the

evaluation, design, drawings or work and after he determines that he is willing to assume full responsibility for all design, drawings or work on which he relies for his opinion.

9. ~~Utilizing information contained in the Department records, on which a decision to approve or refer a site has been made, shall be considered to be in the public domain and may be utilized by a Certified Professional Evaluator without permission.~~
10. ~~Public~~
11. ~~False Statement(s)~~
12. A Certified Professional Evaluator Shall not knowingly fail to disclose a material fact requested in connection with an application submitted to the Department by himself or any other individual or business entity for certification, renewal or reinstatement.
13. ~~Conflicts of interest~~
14. ~~The Certified Professional Evaluator~~ Shall promptly and fully inform an employer or client of any business association, interest, or circumstance or circumstances that may influence the Certified Professional Evaluator's judgment or the quality of service.
15. ~~Good standing~~
16. ~~A Certified Professional Evaluator certified to practice soil and site evaluations or to design Individual On-site Wastewater Disposal Systems in other jurisdictions shall be in good standing and shall not have had a certificate suspended, revoked or surrendered in connection with a disciplinary action or have been the subject of discipline in another jurisdiction.~~
17. ~~Utilizing information contained in the Department records, on which a decision to approve or refer a site has been made, shall be considered to be in the public domain and may be utilized by a Certified Professional Evaluator without permission.~~
18. ~~No Certified Professional Evaluator~~ Shall not certify a site evaluation and/or design unless such evaluation and/or design comply with the minimum requirements of the law ~~Regulations~~ and such certification and/or design is produced in accordance with this chapter. A Certified Professional Evaluator shall make a good faith effort to secure complete, accurate, and timely information regarding site and soil conditions, including relevant factors on adjacent parcels, including but not limited to utilities, water supplies, and other sewage systems.

19. The Certified Professional Evaluator Shall certify that all information submitted is true and correct to the best of his knowledge and shall be required to be aware of all information in agency files pertaining to the site he is certifying.
20. Attend 4-hours of Continuing Education/Professional Development Hours within each calendar year.

Source: *Miss Code Ann § 41-67-3*

Rule 2.22 Submittal Review

7. ~~System~~ Application

- c. The Certified Professional Evaluator must submit a Notice of Services ~~appropriate residential or commercial application to the Division~~ with evaluation and design documentation.
- d. ~~Applications that are~~ Incomplete or substandard information, in any manner, shall be returned to Applicant. The Applicant and Certified Professional Evaluator will be notified of any deficiencies. If an application has been returned, the Applicant or his agent may submit a new application to correct the deficiency or deficiencies contained in his first application. If the application is received within 45-days of the first, the Division will waive all fees associated with the new application. This waiver may be granted not more than once per site.
- e. ~~Any system proposed for authorization in accordance with performance standards must be designed and certified by a Professional Engineer registered in the State of Mississippi who is a Certified Engineer Evaluator.~~

8. Soil and Site Evaluation

- c. All soil and site evaluation reports submitted to the Department shall be in a form approved by the Division, shall contain the minimum information specified by the Division, and shall be certified as fully complying with the Regulations. A statement approved by the Department shall be used to certify that a site evaluation and/or design comply with the Board's regulations for on-site sewage systems. No approval shall be granted pursuant to this chapter for any site that has not been certified by a Certified Professional Evaluator.
- d. Additional information may be included with a Certified Professional Evaluator submission in order to facilitate processing the application. However, for the purposes of a Certified Professional Evaluator certifying that an evaluation and/or design complies with the Regulations and "deemed approvable" only those requirements contained in the regulations

are considered to apply unless a local government has requested the Department to implement a more restrictive local ordinance. Wastewater system sites proposed for use must be defined in a manner that allows them to be identified on the plat with the accuracy and precision of 3 feet or less.

9. Design: ~~A complete design packet must contain the following:~~
 - g. Property address
 - h. Legal description
 - i. Type of treatment
 - j. Type of disposal
 - k. Plat showing 5-foot contours, location and/or dimensions of: Water supply, residence, property, sensitive waters (if applicable), and setbacks ~~on contours with 2 foot intervals (if applicable);~~
 - l. Soil Profile Sheet and location of each soil boring
 - m. ~~Individual On-Site Wastewater Disposal System chosen by the Applicant~~
 - n. ~~Individual On-site Wastewater Disposal System option(s).~~
12. ~~Design calculations used to establish the design parameters of the recommended system, including the minimum information deemed appropriate by the Division;~~
13. Provide 2 sets of construction drawings and specifications for the recommended system in accordance with statutes and regulations;
14. ~~A statement Stamped and certified by the Certified Professional Evaluator that the site and soil conditions and design conform to the Regulations.~~
10. ~~Additional information based on standard procedures can be submitted when a Certified Professional Evaluator believes it may be in the interest of public health, the environment, or the client.~~
11. Field Analysis

~~The Department is not required to perform a field analysis of Certified Professional Evaluator evaluations and designs prior to issuing a Permit/Recommendation approval; however, the Department may conduct a field analysis, as deemed necessary to protect public health, and to insure licensure integrity. Whenever a field analysis is performed, the Department shall make a record of the results.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.23 Authorization. All Individual On-site Wastewater Disposal Systems must be review for compliance with rules and regulations of the Department. Construction or installation shall not begin prior to written response by the Department. The Department shall respond within 10 working days with a written response that the Individual On-site Wastewater Disposal System does or does not fulfill the requirements of the law and regulations.

Source: *Miss Code Ann § 41-67-3*

Rule 2.24 Expiration. All certification issued to Professional Evaluator shall expire on **June 30**, unless revoked or suspended.

Source: *Miss Code Ann § 41-67-3*

Rule 2.25 Renewal. A Certified Professional Evaluator may apply for renewal not more than 60 calendar days prior to the expiration of his ~~Certified Professional Evaluator~~ certification. **Note:** If more than 31-calendar days have elapsed from the expiration of the most recent certification, the Department shall require an Applicant to comply with the provisions of initial certification. Any person applying for renewal shall file with the Division:

4. ~~Completed~~ Application
5. ~~Proof of CEU(s) credit~~
6. Proof of Errors and Omissions Policy or Surety
7. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.26 Hearing and Appeals. Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

11. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
12. Administrative Hearing (District)

- b. The Division will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
 - ii. The certificate holder must submit a written request, to the Hearing Officer, within 10-calendar days from date of receipt of notice of revocation or suspension
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
 - iv. Conduct hearing with or without certificate holder
 - v. Mail decision of Hearing Officer to all parties within 10-working days

13. Administrative Hearing (State)

- b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with, or without, certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days

14. ~~Whenever the Department intends to take action to suspend or revoke a Professional Evaluator certification, there must be an informal fact finding conference and proper notice must be given to the affected party.~~

b.

15. ~~Informal fact finding conference Hearing~~

- ~~b. The Professional Evaluator shall be issued a notice in writing.~~
- ~~b. The Notice must be hand delivered or sent by certified mail.~~
- ~~b. The Notice must provide the factual and legal basis for the contemplated action and must give the date, time, place, and location of the informal fact finding conference.~~

- ~~b. Certificate holder may participate in the conference, if he/she so chooses. The conference is shall to be conducted by the Board of Certified Professional Evaluators. The conference shall be conducted in accordance with, but is not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings.~~
 - ~~b. The Division Department shall render a decision recommendation from the informal fact finding conference within 30 calendar days. Such recommendations shall be sent to the Division upon which appropriate enforcement action shall be initiated based on the informal fact finding conference in a timely manner, to the District having appropriate authority and shall deem if suspension or revocation can be initiated.~~
 - ~~b. When action is taken to suspend a Professional Evaluator certification, that suspension shall be for a specified period of time. Remedial actions including, but not limited to, additional training courses, additional testing, and reevaluation of a site and/or redesign of an Individual On-site Wastewater Disposal System.~~
16. Judicial Review. In case of an adverse decision, the appellant will be advised of the right to pursue judicial review.
- i. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the Department.

Source: *Miss Code Ann § 41-67-3*

Rule 2.27 Penalties. Any Professional Evaluator found guilty in an Administrative Hearing may be penalized by 1 or more of the following:

- 4. Violation of statute(s), falsification of documentation, acts of misrepresentation or failing to maintain 90% accuracy on quality assurance review
 - a. Immediate revocation of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
- 5. Violation of rule(s) or orders of the Board
 - e. Suspension of certification
 - f. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint

17. ~~The Department may suspend or revoke a certification for failure to comply with any law administered by the Board, Department, any regulations of the Board, any order of the Board or Department after due notice from the Department.~~
6. ~~Actions that may result in suspension or revocation include, but are not limited to; certifying as suitable a site that does not comply with the minimum requirements of the Regulations, falsifying any document, and any act of misrepresentation made related to Professional Evaluator activities.~~
7. If any person operates in the state as a Certified Professional Evaluator without certification by the Board, the Board, after due notice and opportunity for a hearing, may impose a monetary penalty not to exceed Ten Thousand Dollars (\$10,000.00) for each violation.

Source: *Miss Code Ann § 41-67-3*

Rule 2.28 Reinstatement. ~~If Any person whose certification has been revoked must repeat initial certification may apply to the Division for reinstatement no sooner than 2 years after the effective date of the revocation. Reinstatement of a Certified Professional Evaluator's certification shall include:~~

18. ~~An application, fee and statement (if applicable) that no activities took place after certification was revoked.~~
19. ~~Documentation that the Applicant has satisfactorily completed any remedial actions required as a result of the revocation. Remedial actions including, but not limited to, additional training courses, additional testing, and reevaluation of a site and/or redesign of an on-site sewage system may be specified as conditions for reinstatement.~~
20. ~~At least 10 sites must be evaluated using the Department's Quality Assurance Review Process in the first year. All sites must score at least 80% with no violation of Mississippi State Law or Mississippi State Department of Health regulation which promotes the violation of state law.~~

Source: *Miss. Code Ann. § 41-67-3*

Rule 2.29 **Certification of Installer.** ~~A Certified Installer can construct, install, repair, replace, service or maintain an Individual On-Site Wastewater Disposal System, upon which he has been certified by the Manufacturer. This will include the construction, installation, and repair or replace of any sewage treatment and disposal system-person may not be engaged in the business of installing, constructing, repairing or replacing any Individual On-Site Wastewater Disposal Systems in this state unless that person has a valid license issued by the Department.~~

~~A person may not operate as a Certified Installer of Individual On-Site Wastewater Disposal Systems unless the Division currently certifies that person.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.30 ~~A person who~~ The property owner may install an ~~Conventional~~ Individual On-site Wastewater Disposal System consisting of a registered (septic tank and aggregate disposal) if recommended by the Department ~~on his own property~~ for his/her primary residence and must comply with all ~~Sections except for~~ Rules except, 2.31, 2.32, and 2.33 ~~2.1.27.1,2.1.28,2.1.29.3, 2.1.29.8 and 2.1.30.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.31 Registration. Any person wishing to become a Certified Installer must provide the Department with the following:

1. ~~The Board shall issue a certification to an installer if the installer:~~
3. ~~Completes an Application form that complies with this chapter and rules adopted under this chapter;~~ selecting
 - a. Septic Tank
 - i. Aggregate
 - ii. Aggregate Replacement
 - iii. Elevated Sand Mound
 - b. Advance Treatment System
 - i. Overland
 - ii. Spray Irrigation
 - iii. Drip Irrigation
4. Fee
5. ~~The Division may initiate levels of certification for the installation of specific types of Individual On Site Wastewater Disposal System(s). This certification may include training and testing above the basic.~~

~~Certified Installer Application:~~

2. ~~A person may apply for certification by filing a complete application provided by the Division, attending and satisfactorily completing training program, providing proof of General Business Liability Insurance and paying the application fee in accordance with Section **43-3-15(4)(e)**.~~
3. ~~Prior to receipt of a certification, the Applicant shall complete an examination, demonstrating his knowledge and comprehension of the Individual On-site~~

~~Wastewater Disposal System Regulations. Within 30 days of passing the examination, the Certified Installer must submit Insurance and fee.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.32 Training and Examination. All persons found eligible for certification as a Certified Installer must pass examination and attend Septic Tank (1-day) and/or Advanced Treatment System (1-day) course(s) in addition to field inspection of installation by the Division.

~~Satisfactorily completes the training program provided by the Division;~~

- ~~1. Those persons taking written examination specified in Section 41-67-25(3)(b) shall pay a fee for such testing as determined by the Department based on the actual costs of preparing and administering the examinations.~~
- ~~2. Attendance of the Department's 2-day Certified Installers training course.~~
- ~~3. Applicant must achieve a score of 80% or better on the closed book examination.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.33 Documentation and Fee. Within 30-days of passing the examination, the Certified Installer must submit:

- ~~1. Provides proof of having a valid General Business Liability Insurance policy in effect with liability limits of at least Fifty Thousand Dollars (\$50,000.00) per occurrence and at least One Hundred Thousand Dollars (\$100,000.00) in total aggregate amount; and~~
~~Provide documentation and certification from the Manufacturer that a Certified Installer of alternative systems or products has been factory trained and listed authorized representative.~~
- ~~2. Pays the annual certification Fee (Probationary Certificate)~~

Rule 2.34 Probationary Certification. Any person receiving a certification must install 3 Individual On-site Wastewater Disposal Systems as indicated from a Permit/Recommendation and be inspected by the Division with no deficiencies indicated on Inspection (Form 305). Probationary status will remain in effect until person is deemed competent by the Division.

Source: *Miss Code Ann § 41-67-3*

Rule 2.35 Certification. Any person that has completed all requirements under the Probationary Certificate and provided copy of endorsement(s) from Certified Manufacturer(s), with exception to Aggregate will be certified as an Installer with all rights and privileges.

- ~~2. Certificates issued in accordance with this regulation shall not be transferable. Nothing within this regulation shall be construed to limit the power of any~~

municipal, county, or governmental entity to enforce other license requirements or additional measures for the restrictions of persons in the business of constructing, installing, repairing and replacing any Individual On-Site Wastewater Disposal System(s).

Source: *Miss Code Ann § 41-67-3*

Rule 2.36 Responsibilities for Installation. Any person holding a certification as a Certified Installer must comply with the following:

12. Furnish proof of certification to a property owner, lessee, the owner's representative or occupant of the property on which an Individual On-Site Wastewater Disposal System is to be designed, constructed, repaired or installed by that Certified Installer and to the Department or its authorized representative, if requested.
13. May not design, construct or install, or cause to be designed, constructed or installed an Individual On-site Wastewater Disposal System that does not comply with this chapter and rules and regulations of the Board.
14. Notify the Department at least 24-hours before beginning construction of any Individual On-site Wastewater Disposal System and, at that time, schedule a time for inspection of the system with the Department.
15. Shall be present on the jobsite at the time of the scheduled inspection.
16. Shall not covering his work with soil or other surface material unless the installer has received authorization to cover the system after an inspection by a county Department of health inspector, or unless a health inspector does not arrive for inspection after 24-hours from the notification to the Department before beginning construction, in which case, an installer must submit an affidavit of proper installation to the Department for final approval.
17. Provide Homeowner Manual on all Advanced Treatment Systems and registered disposal products to property owner at time of installation and/or inspection.
18. Provide a signed affidavit from the Certified Installer, or Certified Professional Evaluator or registered Professional Engineer and any additional required documentation that the system was installed ation is in compliance with all requirements, regulations and permit conditions applicable to the system installed. The Affidavit must be given to the Applicant of the Notice of Intent within 30-days of the inspection.
19. Pay the require re-inspection fee, if applicable.
20. Attend 4-hours of Continuing Education per calendar year.

21. Notify the Division within 10-working days of any change in address, business partnership or affiliation, or any other status that affects his/her standing as a Certified Installer. Such notice must be in writing ~~or fax~~ and must be delivered to the Division as soon as practicable after the effective date of the change. This information can be mailed, faxed or emailed.
22. Comply with *National Sanitation Foundation/American National Standard Institute Standard 40* specifically Sections 6.1, and Annex A as an authorized representative.

Rule 2.37 Responsibilities for Servicing. Any person holding a certification as an Certified Installer must comply with the following:

5. Comply with *National Sanitation Foundation/American National Standard Institute Standard 40* Annex A, specifically A.2, if applicable to registered product(s).
6. Provide maintenance reports 2 times a year to property owner and annually to the Department containing the following: ~~inspections annually to the homeowner. Each must include the homeowner name/address, date, time and list of components repaired or replaced. This report must be submitted to the Division on a yearly basis.~~
 - d. Date of inspection and evaluation of Individual On-Site Wastewater Disposal Systems to determine if they are compliant with manufacturer's specifications.
 - e. Date and type of repairs made to the Individual On-site Wastewater Disposal System.
 - f. Date of issuance of inspection reports to property owners on a biannual basis from date of contract.
7. Provide the property owner with a continuing maintenance agreement on all Advanced Treatment Systems in perpetuity after the 2/3-year initial servicing, if requested.
8. Provide an initial sample contract ~~and/or list of services~~ to the Department Division, when requested.
4. Submittal Reports
 - b. ~~Inspecting and evaluating Individual On-Site Wastewater Disposal Systems to determine if they are compliant with state law and being properly maintained.~~
 - b. ~~Keeping accurate records of systems inspected and repaired.~~

9. ~~Issuing inspection reports to property owners and the Division on a biannual basis from date of contract.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.38 Expiration. All Certified Installers certifications shall expire **June 30**, unless suspended or revoked.

Source: *Miss Code Ann § 41-67-3*

Rule 2.39 Renewal. A Certified Installer may apply for renewal not more than 60-calendar days prior to the expiration of his certification. **Note:** If more than 31-calendar day have elapsed from the expiration of the most recent certification, the Department shall require an Applicant to comply with the provisions of initial certification. Any person applying for renewal shall file with the Division:

4. ~~Completed~~ Application
5. ~~Proof of CEU(s) credit~~
6. ~~Proof of General Business Liability Insurance Policy~~
7. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.40 Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

5. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked
6. Administrative Hearing (District)
 - b. The District will proceed in the following order:

- i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
- ii. The certificate holder must submit a written request, to the Hearing Officer, within 10-calendar days from date of receipt of notice of revocation or suspension
- iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
- iv. Conduct hearing with, or without, certificate holder
- v. Mail decision of Hearing Officer to all parties within 10-working days

7. Administrative Hearing (State)

- b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with, or without, certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days

8. ~~Informal fact finding conference~~

- ~~b. Certificate Holder shall be issued a notice in writing.~~
- ~~b. Notice must be hand delivered or sent by standard and certified mail.~~
- ~~b. Notice must provide the factual and legal basis for the contemplated action and must give the date, time, place, and location of the informal fact finding conference.~~
- ~~b. Certificate Holder may participate in the conference, if he/she so chooses. The conference shall be conducted in accordance with, but is not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings.~~

- b. ~~The Division shall render a decision based on the informal fact finding conference in a timely manner, to the District having appropriate authority and shall deem if suspension or revocation can be initiated.~~
 - b. ~~A certification may be summarily suspended by the issuing official pending a hearing, as herein provided, if the holder of the certification acts in such a manner as to pose an immediate or serious threat to the public health. In the case of a summary suspension, the Certificate Holder shall be given a hearing as soon as possible after the issuing official receives a written request for a hearing.~~
9. Judicial Review. In case of an adverse decision the appellant will be advised of the right to pursue judicial review.
- b. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the ~~Mississippi State Department of Health.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.41 Penalties. Any Certified Installer found guilty in an Administrative Hearing may be penalized by one or more of the following:

- 3. Violation of statute(s), falsification of documentation, acts of misrepresentation or failure to submit an Affidavit-Installation
 - a. Revocation of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - c. Administrative fine up to \$10,000
- 4. Violation of rule(s), or order(s) of the Board
 - d. Suspension of certification
 - e. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - f. Attendance of certification course
- 10. If any person operates in the state as a Certified Installer without certification by the Board, the Board, after due notice and opportunity for a hearing, may impose a monetary penalty not to exceed Ten Thousand Dollars (\$10,000.00) for each violation.

11. ~~The Department may suspend or revoke certification for failure to comply with any law administered by the Board, Department, or any regulation of the Board, any order of the Board or Department after due notice from the Department.~~
12. ~~Actions that may result in suspension or revocation include, but are not limited to, constructing, installing, repairing, replacing or causing the construction, installation, repairing, replacing of an Individual On-Site Wastewater Disposal System on a site that does not comply with the minimum requirements of the Regulations, falsifying any document, and any act of misrepresentation.~~
5. ~~If any person or contractor fails to comply with all requirements and regulations in the installation of the system, the Board, after due notice and hearing, may levy an administrative fine not to exceed Ten Thousand Dollars (\$10,000.00). Each wastewater system installed not in compliance with this chapter or applicable rules and regulations of the Board shall be considered a separate offense.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.42 ~~Reinstatement. If any person whose certification has been revoked may apply to the Division for reinstatement must repeat initial certification no sooner than 2 years after the effective date of the revocation. Reinstatement of a Certified Installer's certification shall include:~~

13. ~~An application, fee and a written statement (if applicable) that no activities took place after certification was revoked.~~
14. ~~Provide documentation that the Applicant has satisfactorily completed any remedial actions required as a result of the revocation. Remedial actions including, but not limited to, additional training courses, additional testing, and installation or repairing of the Individual On-Site Wastewater Disposal System may be specified as conditions for reinstatement.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.43 ~~**Certification of Pumpers.** A person may not be engaged in the business of cleaning, pumping removing and disposing of any sludge and liquid waste (septage) from any Individual On-Site Wastewater Disposal Systems, Portable Toilet (Self-Contained) and/or grease trap in this state unless that person has a valid license issued by the Department.~~

~~Licensing a person constitutes the issuance of a certification with all rights and privileges to clean, pump and dispose of any sludge and liquid waste (septage) from any Individual On-Site Wastewater Disposal Systems, Portable Toilet (Self-Contained), grease trap and/or holding tank.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.44 Registration. Any person wishing to become a Certified Pumper must provide the Department with the following:

3. Application
4. Fee
5. ~~A person may apply for certification by filing a complete application provided by the Division, attending and satisfactorily completing training program, providing proof of General Business Liability Insurance, submittal of vehicle inspection from the County Health Department and paying the inspection and application fees as specified in Section 43-3-15(4)(e). In addition, all Applicants shall list each approved disposal facility they intend to use. Written verification of permission to use each disposal facility shall accompany the application.~~
6. ~~Prior to receipt of a certification, the Applicant shall complete an examination demonstrating his knowledge and comprehension of the Individual On-site Wastewater Disposal System Regulations. Within 30 days of passing the examination, the Certified Installer must submit Insurance and fee.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.45 Training and Examination. All persons found eligible for certification as a Certified Pumper must complete the Department's 1-day course and pass written examination with a score of 80% or higher.

~~A person taking written examinations shall pay a fee as specified in Section 43-3-15(4)(e) for such testing as determined by the Department based on the actual costs of preparing and administering the examinations.~~

~~A person taking a Department sponsored training course or courses as specified shall pay the fee as specified in Section 43-3-15(4)(e) for such course as determined by the Department. Fees for such course or courses will be based on the Department's actual expenses in preparing course materials and conducting the training. This section is not intended to prevent or discourage training courses recognized by the Department and offered by entities other than the Department. In the case of training that is not directly sponsored by the Department, Applicants will pay appropriate fees to the sponsoring entity.~~

~~Attendance of the Department's 1-day Certified Pumper Training Course.~~

~~Applicant must achieve a score of 80% or better on the closed book examination~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.46 Vehicle Inspection. All pump trucks must be inspected by the Department with Data Log sheet being made available during the inspection, if requested. The following items must be available during inspection:

1. ~~Keep available~~ 5 dry gallons of Lime, ensuring spillage, pumping and transporting of septage or other liquid waste shall be delivered in a manner that is safe and does not create a nuisance or public health hazard.
2. Labeling: Minimum of 2-inches in height
 - b. ~~Label the carrier tank~~ “SEPTAGE AND LIQUID WASTE ONLY” at or near the inlet and outlet valve. The use of the carrier tank for other purposes is prohibited. ~~The required lettering shall be a minimum of 2 inches in height.~~
 - b. ~~Label vehicle with~~ Name of the Company, address and certification number. ~~The required lettering shall be a minimum of 2 inches in height.~~ Certification number is not required on initial inspection but must be on the vehicle within 30-days within receiving certificate. Discharge of septage or other liquid waste into a public sewage collection system, without the consent and permission of the owner/operator of such system, is prohibited.
 - b. ~~Records shall be made available at time of the inspection by the Department. Records must be retained for a minimum of 2 years.~~
15. ~~Deliver vehicle(s) to the appropriate county health office for inspection purposes. This will require the Certified Pumper to contact the county health office.~~
16. Supervise employees and ensure that all systems for which the licensee is responsible shall be pumped and cleaned in accordance with Regulation and other applicable regulations, permits, and standards issued by the Department.

~~Certified Pumper Inspection: (County Health Department)~~

~~Complete Inspection form and return to Division.~~

~~Verify that all jobs are being recorded on the Data Log sheet.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.47 Documentation and Fee. Within 30-days of passing the examination, the Certified Installer must submit:

~~The Department shall issue a license to a pumper if the pumper:~~

5. ~~Provides proof of having a valid General Business Liability Insurance policy in effect with liability limits of at least Fifty Thousand Dollars (\$50,000.00) per occurrence and at least One Hundred Thousand Dollars (\$100,000.00) in total aggregate amount;~~

6. ~~Satisfactorily complies with the requirements of his/her pumping and hauling equipment~~
7. Copy of vehicle(s) inspection (Form 308) and PIMS receipt from County Health Department
8. ~~Submits passing inspection of each vehicle~~
9. Copy of authorization letter(s) from a Mississippi Department of Environmental Quality (MDEQ) permitted facility for disposal
10. ~~Provides documentation of a disposal site approved by the Department of Environmental Quality, Office of Pollution Control~~
11. Fee (Certificate)
12. ~~Pays the annual license fee~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.48 Certification. All Applicants that have completed all requirements under the Application and Training Program will be certified as a Pumper with all rights and privileges.

4. Certificates issued in accordance with this regulation shall not be transferable. Nothing within this regulation shall be construed to limit the power of any municipal, county, or governmental entity to enforce other license requirements or additional measures ~~for the restrictions of persons in the business of removing and disposing of sludge and liquid waste from Individual On Site Wastewater Disposal System(s).~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.49 ~~Certified Pumper~~ Responsibilities. All Certified Pumpers must comply with the following:

3. Disposal of contents is only allowed at site(s) as listed in letter(s) of authorization.
4. Keep a record on all systems cleaned, pumped and disposed of by address, type of treatment unit, amount pumped, and receipt of disposal at waste treatment facility permitted by the Mississippi Department of Environmental Quality (MDEQ). The proper cleaning of any septic tank or similar unit shall include the substantial removal of its contents. Records must be retained for a minimum of 2-years.
5. Attend 4-hours of Continuing Education per calendar year offered by the Department, or other source(s) approved by the Division. ~~A person making application shall provide documentation that he has earned 4 continuing education units (CEUs) in a calendar year. For the purposes of this chapter, a CEU shall be equivalent to contact hours of instruction in subject matter and from sources prior~~

~~approved by the Division. Each Certified Pumper shall be responsible for maintaining appropriate records and providing proof of credit earned.~~

6. Notifying the Department within 10-working days of adding, replacing or deleting the inventory of vehicles for the purpose of updating application of any change in address, business partnership or affiliation, or any other status that affects his/her standing as a Certified Pumper.

Source: *Miss Code Ann § 41-67-3*

Rule 2.50 Expiration. All Certified Pumper certifications shall expire **September 30**, unless suspended or revoked.

Source: *Miss Code Ann § 41-67-3*

Rule 2.47 Renewal. A Certified Pumper may apply for renewal not more than 60-calendar days prior to the expiration of his certification. **Note:** If more than 31-calendar day have elapsed from the expiration of the most recent certification, the Department shall require an Applicant to comply with the provisions of initial certification. Any person applying for renewal shall file with the Division:

5. Application
6. ~~Proof of General Business Liability Insurance Policy~~
7. Copy of authorization letter(s) from a Mississippi Department of Environmental Quality (MDEQ) ~~MDEQ~~ permitted facility for disposal
8. Fee

Source: *Miss Code Ann § 41-67-3*

Rule 2.48 Hearing and Appeals. The Department shall conduct an inquiry into any allegation against any certificate holder in the following manner:

17. Informal fact finding conference
 - b. The Department shall conduct a conference in accordance with, but not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings
 - b. A decision shall determine if suspension or revocation can be initiated
 - b. In the event that a certificate holder acts in such a manner as to pose an immediate or serious threat to the public health, his/her certification shall be summarily revoked

18. Administrative Hearing (District)
 - b. The District will proceed in the following order:
 - i. Issue notice of revocation or suspension with appropriate documentation, being hand delivered or sent by standard and certified mail
 - ii. The certificate holder must submit a written request, to the Hearing Officer, within 10-calendar days from date of receipt of notice of revocation or suspension
 - iii. Set date, time, location and applicable documentation within 10-calendar days of receiving request for hearing
 - iv. Conduct hearing with, or without, certificate holder
 - v. Mail decision of Hearing Officer to all parties within 10-working days

19. Administrative Hearing (State)
 - b. The certificate holder may appeal the written decision of the Hearing Officer in the following order:
 - i. Request must be submitted to the Director of Environmental Health within 10-calendar days of the receipt of the decision
 - ii. Director shall set a date, time and location within 30-calendar days of receiving request
 - iii. Conduct hearing with or without certificate holder
 - iv. Mail decision of Hearing Officer to all parties within 10-working days

1. ~~Informal fact finding conference~~
 - b. ~~Certificate Holder shall be issued a notice in writing.~~
 - b. ~~Notice must be hand delivered or sent by standard and certified mail.~~
 - b. ~~Notice must provide the factual and legal basis for the contemplated action and must give the date, time, place, and location of the informal fact finding conference.~~
 - b. ~~Certificate Holder may participate in the conference, if he/she so chooses. The conference shall be conducted in accordance with, but is not limited to, the requirements of *Administrative Procedural Code of Mississippi* and~~

~~may include the creation of a verbatim or summary record of the proceedings.~~

- ~~b. The Division shall render a decision based on the informal fact finding conference in a timely manner, to the District having appropriate authority and shall deem if suspension or revocation can be initiated.~~
 - ~~b. A certification may be summarily suspended by the issuing official pending a hearing, as herein provided, if the holder of the certification acts in such a manner as to pose an immediate or serious threat to the public health. In the case of a summary suspension, the Certificate Holder shall be given a hearing as soon as possible after the issuing official receives a written request for a hearing.~~
2. Judicial Review. In case of an adverse decision the appellant will be advised of the right to pursue judicial review.
- b. No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the ~~Mississippi State Department of Health~~.

Source: *Miss Code Ann § 41-67-3*

Rule 2.49 Penalties. Any Certified Pumper found guilty in an Administrative Hearing may be penalized by one or more of the following:

- 3. Violation of statute(s), falsification of documentation, acts of misrepresentation or failure to submit an Affidavit-Installation
 - a. Immediate revocation of certification
 - b. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - c. Administrative fine up to \$10,000
- 4. Violation of rule(s), or orders of the Board
 - g. Suspension of certification
 - h. Correction of any Individual On-site Wastewater Disposal System found to be out of compliance as listed in the complaint
 - i. Attendance of certification course
- 3. If any person operates in the state as a Certified Pumper without certification by the Board, the Board, after due notice and opportunity for a hearing, may impose

a monetary penalty not to exceed Ten Thousand Dollars (\$10,000.00) for each violation.

4. ~~The Department may suspend or revoke certification for failure to comply with any law administered by the Board, Department, or any regulation of the Board, any order of the Board or Department after due notice from the Department.~~
5. ~~Actions that may result in suspension or revocation include, constructing, installing, repairing, replacing or causing the construction, installation, repairing, replacing of an Individual On Site Wastewater Disposal System on a site that does not comply with the minimum requirements of the Mississippi State Department of Health Regulations, spillage, septage or other liquid waste from equipment, dumping or disposing of septage or other liquid waste in a unpermitted or unapproved site, falsifying any document, and any act of misrepresentation made related to Certified Pumper activities.~~
6. ~~If any person or contractor fails to comply with all requirements and regulations in the installation of the system, the Board, after due notice and hearing, may levy an administrative fine not to exceed Ten Thousand Dollars (\$10,000.00). Each wastewater system installed not in compliance with this chapter or applicable rules and regulations of the Board shall be considered a separate offense. Section 41-67-6(6)~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.50 ~~Reinstatement. If Any person whose Certified Pumper's certification has been revoked may apply to the Department for reinstatement as a Pumper must repeat initial certification no sooner than 2-years after the effective date of the revocation. Reinstatement of a Certified Pumper's certification shall include:~~

~~An application, fee and a written statement (if applicable) that no activities took place after certification was revoked.~~

~~Provide documentation that the Applicant has satisfactorily completed any remedial actions required as a result of the revocation. Remedial actions including, but not limited to, additional training courses, additional testing, and certification by manufacturer of pumping equipment.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.51 ~~**Certified Maintenance Provider:** A Certified Maintenance Provider can perform maintenance on an Individual On Site Wastewater Disposal System which he/she has under contract. This will include the repair or replacement of a component originally installed by a Certified Installer. This shall exclude any repairs or replacement of the disposal system that would require the person to be a Certified Installer. A person may not operate as a maintenance provider in this state unless that person is a maintenance provider certified by the department on April 26, 2011, or is a Certified Installer.~~

Rule 2.52 — ~~Certified Maintenance Provider Responsibilities~~

- ~~7. Provide on all Advanced Treatment System, an affidavit from the property owner agreeing to a continuing maintenance agreement on the installed system at the end of the required manufacturer's maintenance agreement.~~
- ~~8. Providing the property owner with a continuing maintenance agreement on all Advanced Treatment Systems in perpetuity.~~
- ~~9. Furnish proof of certification to an individual before entering a contract with that individual for the continuing maintenance of an individual on-site wastewater disposal system.~~
- ~~10. Provide 2 inspections annually to the homeowner. Each must include the homeowner name/address, date, time and list of components repaired or replaced. This report must be submitted to the Division on a yearly basis.~~
- ~~11. Provide a sample contract and/or list of services to the Division, when requested.~~
- ~~12. Submittal Reports~~
 - ~~b. Inspecting and evaluating Individual On-Site Wastewater Disposal Systems to determine if they are compliant with state law and being properly maintained.~~
 - ~~b. Keeping accurate records of systems inspected and repaired.~~
 - ~~b. Issuing inspection reports to property owners and the Division on a biannual basis from date of contract.~~
- ~~3. **Certified Maintenance Provider Expiration:** Certified Maintenance Provider certifications shall expire on **December 31**, unless suspended or revoked. This certification is valid for 2 years. This is only for the currently certified person, no further certifications will be issued by the Department.~~

SOURCE: Miss Code Ann § 41-67-3

- ~~4. **Informal Fact Finding and Hearing:** Whenever the Department intends to take action to suspend or revoke a Maintenance Provider certification, there must be an informal fact finding conference and proper notice must be given to the affected party.~~
 - ~~1. The Certified Maintenance Provider shall be notified in writing. The notice must be hand-delivered or sent by certified mail. The notice must provide the factual and legal basis for the contemplated action and must give the date, time, place, and location of the informal fact finding conference.~~

2. ~~The informal fact finding conference is to be conducted by an employee of the Department. The conference shall be conducted in accordance with, but is not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings.~~
3. ~~The Department shall render a decision from the informal fact finding conference in a timely manner. Such decisions shall constitute the final administrative decision and may be appealed.~~
4. ~~When action is taken to suspend a Maintenance Provider certification, that suspension shall be for a specified period of time. Remedial actions including, but not limited to, additional training courses, examination, and installation or repairing of the Individual On-Site Wastewater Disposal System(s).~~
5. ~~Submitting false information to the property owner or to the Department is grounds for certification revocation.~~
6. ~~Falsifying inspection reports is grounds for certification revocation.~~
7. ~~Violating Mississippi State Laws or Regulations Governing On-site Wastewater Disposal Systems, or encouraging property owners to violate said laws and regulations, is grounds for certification revocation.~~

SOURCE: Miss Code Ann § 41-67-3

5. **Penalties:**

1. ~~The Department may suspend or revoke certification for failure to comply with any law administered by the Board, Department, or any regulation of the Board, any order of the Board or Department after due notice from the Department.~~
2. ~~Actions that may result in suspension or revocation include, but are not limited to, repairing, replacing or causing the repairing, replacing of an Individual On Site Wastewater Disposal System that does not comply with the minimum requirements of the Mississippi State Department of Health Regulations, falsifying any document, and any act of misrepresentation made related to Certified Maintenance Provider activities.~~

Rule 2.52 **Qualified Homeowner Maintenance Providers.** ~~A Qualified Homeowner Maintenance Provider can repair or replace any component on an installed Individual On-Site Wastewater~~ Any person wishing to provide maintenance to his/her Advanced Treatment System/Disposal System at their his/her primary residence must submit to the Department documentation from the Certified Manufacturer that he/she has been educated with the necessary knowledge which utilizes an Advanced Treatment System. ~~This will include the repair or replacement of any component used as primary treatment or disposal.~~

~~A person shall not operate as a Qualified Homeowner Maintenance Provider on any Individual On-Site Wastewater Disposal Systems unless that person is trained by a Certified Installer authorized by the specific Manufacturer of the homeowner's Advanced Treatment System with documentation from the Manufacturer being provided to the Department.~~

Source: *Miss Code Ann § 41-67-3*

Rule 2.52 Responsibilities. Any person recognized as a Qualified Homeowner Maintenance Provider must comply with the following:

4. ~~Provide continuous maintenance on~~ Maintain his/her Advanced Treatment System in perpetuity
5. ~~Successfully complete manufacturer's training and certification whose Advanced Treatment Systems are certified for sale in Mississippi shall be allowed by the Department to perform on-site wastewater maintenance on that manufacturer's Advanced Treatment System.~~
6. ~~Provide 1 inspection based on date of installation. Each must include the homeowner name/address, date, time and list of any components repaired or replaced and present the report every 2 years to the Department Division with certification renewal.~~
3. **Submittal Reports**
 - b. ~~Issuing inspection reports to the Division on an annual basis.~~
7. Provide inspection report to the Department containing:
 - c. ~~Inspect and evaluate~~ Evaluation of his/her on-site systems based on Manufacturer requirements
 - d. ~~Keeping accurate records of systems inspection(s) inspected and repair(s) repaired~~
6. **Informal Fact Finding and Hearing:**
 1. ~~Whenever the Department intends to take action to suspend or revoke a Qualified Homeowner Maintenance Provider certification, there must be an informal fact finding conference and proper notice must be given to the affected party.~~
 - b. ~~The Qualified Homeowner Maintenance Provider shall be notified in writing. The notice must be hand delivered or sent by certified mail. The notice must provide the factual and legal basis for the contemplated action and must give the date, time, place, and location of the informal fact finding conference.~~

- b. ~~The informal fact finding conference is to be conducted by an employee of the Department. The conference shall be conducted in accordance with, but is not limited to, the requirements of *Administrative Procedural Code of Mississippi* and may include the creation of a verbatim or summary record of the proceedings.~~
- b. ~~The Department designee shall render a decision from the informal fact finding conference in a timely manner. Such decisions shall constitute the final administrative decision and may be appealed.~~
- b. ~~When action is taken to suspend a Qualified Homeowner Maintenance Provider certification, that suspension shall be for a specified period of time. Remedial actions including, but not limited to, additional training courses, examination, and installation or repairing of the Individual On-Site Wastewater Disposal System(s).~~

SOURCE: Miss Code Ann § 41-67-3

7. Penalties:

- 1. ~~The Department may suspend or revoke certification for failure to comply with any law administered by the Board, Department, or any regulation of the Board, any order of the Board or Department after due notice from the Department.~~
- 2. ~~Actions that may result in suspension or revocation include, but are not limited to, repairing, replacing or causing the repairing, replacing of an Individual On-Site Wastewater Disposal System that does not comply with the minimum requirements of the Mississippi State Department of Health Regulations, certifying any Individual On-Site Wastewater Disposal System that proof of ownership is not filed with the Division, transferring of ownership without notifying Division, falsifying any document, and any act of misrepresentation made related to Qualified Homeowner Maintenance Provider activities.~~

Rule 2.53 Penalties. If the Qualified Homeowner Maintenance Provider is found in violation of the above responsibilities, he/she will be subject to:

- 4. Administrative fine in the amount of \$500.00
- 5. Discontinued public water service
- 6. Contract with a Certified Installer to provide continuous maintenance to the specific product

Source: Miss Code Ann § 41-67-3

Rule 2.54 ~~Hearing Procedure:~~ Appeal Process. A person may appeal a decision of the Department based on the following:

Prior to assessing and collecting the administrative fine, the Department shall provide written notification by Certified Mail/Return Receipt Requested to the violator, stating the basis for the fine, and setting an administrative hearing date within 10-working days of mailing of such notification.

Upon determination of the first hearing if sufficient reason for the fine to be assessed, the installer shall have 10-working days from receipt of such determination to request an additional hearing at the second level, if he wishes to appeal the decision of the hearing officer.

At the second level, a hearing officer appointed by the State Health Officer shall conduct a hearing to be scheduled within 30-calendar days of receipt of the request for such hearing.

The second level hearing shall be held at the ~~Mississippi State Department of Health~~, 570 E Woodrow Wilson, Jackson, Mississippi. The appellant will be provided procedural rules.

The decision to be made by the State Health Officer or appointee will be based solely on the oral, written and documentary evidence presented. After considering all findings of fact, conclusions of law and recommendations of the hearing officer, the State Health Officer will make the final decision whether to sustain the decision made by the first level hearing official and assess and collect the fine. The decision of the State Health Officer will be binding on the Department. The appellant will be notified in writing by certified mail of the State Health Officer's decision.

In case of an adverse decision the appellant will be advised of the right to pursue judicial review.

No individual may file a petition for judicial review with a court of competent jurisdiction until a final written decision and order have been provided by the ~~Mississippi State Department of Health~~.

A certification may be summarily suspended by the issuing official pending a hearing, as herein provided, if the holder of the certification acts in such a manner as to pose an immediate or serious threat to the public health. In the case of a summary suspension, the certified installer shall be given a hearing as soon as possible after the issuing official receives a written request for a hearing.

Source: *Miss Code Ann § 41-67-3*

Subchapter 4.AGGREGATE:

Rule 5.4.1. In a conventional onsite wastewater system treatment begins in the septic tank, under anaerobic conditions. Final treatment and disposal takes place in the soil of the drainfield, an aerobic environment. It is necessary for this aerobic condition to exist in the soil of the drainfield for proper treatment of the effluent.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.2. Definitions:

1. Aggregate System - any subsurface disposal system that utilizes gravel, crushed stone, tire chips or other approved aggregate media.
2. Conventional Subsurface Aggregate Disposal System - any gravity-fed subsurface disposal field utilizing a loose aggregate media ranging from 36 to 12 inches in depth.
 - a. Standard Subsurface Disposal 25 in. to 36 in.
 - b. Shallow Subsurface Disposal 12 in. to 24 in.

3. Tire Chips - Coarse aggregate made from recycled tires to substitute volumetrically for mineral aggregate for use as media in a conventional subsurface disposal field.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.3. ~~Site Evaluation:~~

1. ~~Information obtained during the soil and site evaluation will determine which type(s) of IOWDS may be utilized for an individual lot.~~
2. ~~Prior to completing the Soil and Site Evaluation/System Recommendation, the Environmentalist shall visit the lot and conduct the soil and site evaluation.~~
3. ~~The soil determinations will be made based on soil borings to a depth of five 5 feet or to a depth sufficient to reach a restrictive horizon. Restrictive soil or site conditions may preclude the use of any subsurface disposal system.~~
4. ~~A soil and site evaluation will be based on the following criteria:~~
 - a. ~~Absence of or protection from frequent flooding.~~
 - b. ~~Landscape position with good surface runoff.~~
 - c. ~~Slopes of less than 15%.~~
 - d. ~~Depth to high water table of greater than four feet.~~
 - e. ~~Depth to bedrock, fragipan or plinthite of greater than four feet.~~
 - f. ~~Soil texture and color defined by the Natural Resource Conservation Service as indicating good drainage and suitability for soil absorption, based on a soil boring of five feet.~~
 - g. ~~Available area in which to install an individual onsite wastewater disposal system meeting all requirements of this regulation. The area for repairs and future extensions shall be no less than 50% of the space required for the recommended system. Systems utilizing surface land application discharge are exempt from the 50% additional area requirement.~~
 - h. ~~The non-compliance of one or more of the above items may require a design alteration of an underground system.~~

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.4. Location of Onsite Wastewater Disposal Systems:

1. All components of the onsite wastewater disposal system shall be located a minimum of:
 - a. ~~five~~ 5 feet from any dwelling.
 - b. ~~ten~~ 10 feet from any property line.
2. Any vessel holding wastewater shall be located a minimum of 50 feet from any public, private or individual potable water source.
3. The effluent disposal field shall be located at a lower elevation or in a landscape position that will preclude any surface runoff from flowing in the direction of the well site and a minimum of 100 feet from any public, private or individual potable water source.
4. Potable water lines shall not pass under or through any part of the sewage disposal system. Where a water supply line must cross a sewer line, the bottom of the water service within ten feet of the point of crossing, shall be at least 12 inches above the top of the sewer line. The sewer line shall be of Schedule 40 pipe with cemented joints at least ten feet on either side of the crossing. Water and sewer lines shall not be laid in the same trench. The water and sewer lines, when laid on the same elevation, shall maintain a minimum separation distance of 10 feet.
5. The surface of or the surface above the disposal field shall not be used for vehicular traffic or vehicular parking.
6. No portion of an onsite wastewater disposal system shall be located under dwellings or other permanent structures.
7. Effluent disposal systems shall not be located in depressed areas where surface water will accumulate. Provision shall be made to minimize the flow of surface water over the effluent disposal field.
8. Subsurface wastewater disposal field setbacks from sensitive waters. ~~{See Table H}~~.
9. Slopes of greater than 30% shall not be considered for subsurface disposal installation.
10. Where all or part of the onsite wastewater disposal system is proposed to be installed on property other than the owner's, an easement in perpetuity shall be legally recorded in the proper county. The easement shall be of sufficient area to permit access, construction and maintenance of the onsite sewage disposal system.

11. No site for an effluent disposal field or expansion area shall be approved which is located wholly within an area which is frequently flooded, swamp, marsh, or wetland. Except that if permits have been issued by the proper regulatory agency authorizing the use of wetlands for building sites, the property shall be evaluated using standard soil and site criteria for ~~IOWDS~~ Individual On-site Wastewater Disposal System.
12. When a proposed lot is located partially within a frequently flooded area, that portion of said lot not within the flood prone area may be considered for approval for the effluent disposal field.
13. There shall be maintained a minimum of 12 inches of unsaturated soil between the bottom of the subsurface disposal system and a perched or seasonal water table in soils that contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within ~~five~~ 5 feet of the surface.
14. There shall be maintained a minimum of 24 inches of unsaturated soil between the bottom of the subsurface disposal system and any perched or seasonal water table in soils that do not contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within ~~five~~ 5 feet of the surface.
15. Easements or right-of-way areas for utilities, surface or subsurface drainage, roads, streets, ponds or lakes shall not be used as available space for location of individual onsite sewage disposal systems.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.5. Underground Absorption:

1. The size of the subsurface sewage disposal system shall be determined by soil texture [~~See Table H~~].
2. Soils with excessively rapid permeability rates, gravel and coarse sand, shall be considered unsuitable for subsurface disposal unless the native soil is replaced with a suitably thick (greater than ~~two~~ 2 feet) layer of loamy sand or sand textured soil.
3. Soils with excessively slow permeability rates, silty clay and clay, shall be considered unsuitable for conventional subsurface disposal.
4. Subsurface disposal systems shall be placed no deeper than 36 inches below the surface.
5. Conventional ~~subsurface disposal~~ systems shall ~~have~~ maintain a minimum 12 inches of soil backfill [~~Figure 1~~][~~Figure 2~~].

6. The minimum distance between absorption trench sidewalls shall be ~~six~~ 6 feet.
7. Aggregate -type absorption trenches shall be a minimum of 24 inches and a maximum of 36 inches in width.
8. Trenches shall not be excavated when the soil is wet enough to smear or compact easily.
9. The bottom of the trenches or bed and the distribution lines shall have a grade from level to no greater than ~~two~~ 2 inches fall per 100 feet.
10. There shall be a minimum of ~~three~~ 3 feet of undisturbed soil between the excavation for the septic tank or treatment plant and the beginning of the absorption trench, bed or effluent line.
11. Media for the disposal fields shall extend from at least two inches above the top of the perforated field line pipe to at least ~~six~~ 6 inches below the bottom of the perforated field line pipe a minimum of 12 inches total [~~Figure 1~~].
12. Stone media for the disposal fields shall consist of crushed rock, gravel or other suitable material, as approved by the ~~Mississippi Department of Health, Division of Onsite Wastewater~~, varying in size from ½ to 2½ inches. The material shall be free from dust, sand, clay, or excessive fines.
13. Tire chips shall be allowed for use as coarse aggregate in onsite wastewater treatment and disposal system drainfields and may substitute for stone aggregate on a one-for-one basis, volumetrically when the following physical properties are met:
 - a. Tire chips are to be a normal ~~two~~ (2) inches in size and may range from ~~one-half~~ (1/2) inch to a maximum of ~~four~~ (4) inches in any direction.
 - b. Exposed wire may protrude no more than ~~one-half~~ (1/2) inch from the sides of the chip. No more than (10%) by weight shall exceed this standard.
 - c. No more than (10%) by weight shall pass through a ~~one-half~~ (1/2) inch screen.
 - d. At least 80% of the bead wire must be removed from the tires to be chipped.
 - e. Fines of less than 2 mm in size are prohibited. Fines in this context is defined as particles or substances which can settle to the bottom of the absorption trench and contribute to the clogging or blocking of infiltrative surfaces (dirt, dust, grit, crumb rubber and similar substances).

14. The media for the disposal fields shall be covered with untreated building paper, heavy craft paper, a layer of straw at least ~~two~~ 2 inches thick, or other acceptable material, as approved by the Mississippi Department of Health, Division of Onsite Wastewater.
15. Soil material excavated from trenches shall be used in backfilling and should be left mounded over the trenches until initial settling has taken place.
16. When a change in elevation of the disposal trench is required, a connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the aggregate in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the aggregate. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least ~~four~~ 4 inches lower than the invert of the septic tank effluent line.
17. Standard manufactured fittings compatible with the pipe shall be used to connect all pipes within the effluent disposal field.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.6. Certification:

1. Any manufacturer wishing to provide tire chips for use in onsite sewage treatment and disposal system drainfields in the state of Mississippi must first receive a certification from the ~~State Department of Health, Division of Onsite Wastewater~~. Manufacturers must provide proof they can produce a tire chip coarse aggregate in conformance with the standards ~~in Section V, part 13~~.
2. Tire chip coarse aggregate from certified manufacturers shall be labeled as drainfield aggregate on the freight bill-of-lading. The bill-of-lading shall clearly certify that the material meets the requirements for drainfield use. Contractors purchasing tire chip coarse aggregate shall retain a copy of the freight bill-of-lading as documentation of the aggregate size and quality.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.7. Alternating Disposal Fields

1. An alternating effluent disposal field system provides two complete disposal fields, separated by a valving system so that each system could alternately be used and rested. This "resting" has shown to be useful in regenerating the soil's capability for absorbing the effluent.

2. The size of each field can be from 50 to 100% ~~percent~~ of the required square footage of a single disposal field.
3. The length of time each field would be used and then rested will be determined on a case-by-case basis.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.8. Shallow Disposal Fields: Shallow aggregate systems can sometimes be used where the depth to the restrictive horizon or Seasonal High Water Table ~~water table~~ is less than 25 inches. Placement of the system may be as shallow as 12 inches for aggregate systems ~~[Figure 2 and Section IV part 14 and 15 of this design standard]~~. Shallow installations may be placed in any texture shown as suitable ~~in Table II~~.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.9. Absorption Beds:

1. Absorption beds and trenches should be located a minimum of 10 feet from any trees, except for ~~subsurface~~ drip irrigation.
2. Absorption beds have a smaller "footprint" than the same square footage of trench system. This lends them useful in certain installations where the amount of useable space is limited. ~~[FIGURE 3]~~.
3. The amount of bottom absorption area required shall be the same ~~as shown in [TABLE II]~~. The bottom of the bed should have a relatively level grade.
4. Lines for distributing effluent shall be spaced from 3 to 6 feet apart and not greater than 3 feet from the sidewall. The number of lines will depend on the square feet and width of the bed to be constructed.
5. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
6. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold ~~[FIGURE 4]~~.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.4.10. Distribution of Effluent:

1. When a change in elevation of the disposal trench is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the aggregate in the preceding trench so that an undisturbed block of earth

will remain in place for the full depth of the aggregate. The distribution box shall be level and supply all lines equally. Field lines must be equal lengths when served by one distribution box.

2. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. Non-perforated rigid pipe shall exit the distribution box for a minimum of ~~five~~ 5 feet at level grade before the effluent distribution line (perforations) begins [~~FIGURE 7~~].
3. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least ~~four~~ 4 inches lower than the invert of the septic tank outlet line.
 - a. ~~Crossovers shall be constructed as shown in FIGURE 5.~~

SOURCE: Miss Code Ann. §41-67-3

SETBACK REQUIREMENTS FROM SENSITIVE WATER

Minimum Distance from the Water Edge

| Soil Textural Class | Slope of Less Than 8 Percent | Slope of More Than 8 Percent |
|------------------------------|------------------------------|------------------------------|
| Gravel | NOT APPLICABLE | |
| <i>Coarse Sand</i> | 50 feet | 50 feet |
| <i>Medium Sand</i> | 50 feet | 50 feet |
| <i>Fine Sand</i> | 50 feet | 50 feet |
| <i>Loamy Sand</i> | 50 feet | 50 feet |
| <i>Sandy Loam</i> | 50 feet | 50 feet |
| <i>Light Loam</i> | 50 feet | 50 feet |
| <i>Heavy Loam</i> | 50 feet | 50 feet |
| <i>Silt Loam</i> | 50 feet | 50 feet |
| <i>Sandy Clay Loam</i> | 50 feet | 50 feet |
| <i>Light Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Clay Loam</i> | 50 feet | 50 feet |
| <i>Light Silty Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Silty Clay Loam</i> | 50 feet | 50 feet |
| <i>Sandy Clay</i> | 50 feet | 50 feet |
| <i>Silty Clay</i> | 50 feet | 50 feet |
| <i>Clay</i> | 50 feet | 50 feet |

The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge**.

Table I—**SETBACK REQUIREMENTS FROM SENSITIVE WATER** (Minimum Distance from the Water Edge)

| Soil Textural Class | Slope of Less Than 8 | Slope of More Than 8 Percent |
|------------------------------|----------------------|------------------------------|
| Gravel | NOT APPLICABLE | |
| <i>Coarse Sand</i> | 100 feet | 100 feet |
| <i>Medium Sand</i> | 100 feet | 100 feet |
| <i>Fine Sand</i> | 100 feet | 100 feet |
| Loamy Sand | 100 feet | 100 feet |
| Sandy Loam | 100 feet | 100 feet |
| <i>Light Loam</i> | 50 feet | 100 feet |
| <i>Heavy Loam</i> | 50 feet | 100 feet |
| Silt Loam | 50 feet | 100 feet |
| Sandy Clay Loam | 50 feet | 100 feet |
| <i>Light Clay Loam</i> | 50 feet | 100 feet |
| <i>Heavy Clay Loam</i> | 50 feet | 100 feet |
| <i>Light Silty Clay Loam</i> | 50 feet | 100 feet |
| <i>Heavy Silty Clay</i> | 50 feet | 100 feet |
| Sandy Clay | 100 feet | 100 feet |
| Silty Clay | 100 feet | 100 feet |
| Clay | 100 feet | 100 feet |

SOURCE: Miss Code Ann. §41-67-3 The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge.**

AGGREGATE SYSTEM SIZING

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | Loading Rate GPD/Ft ² | Absorption Area Per Bedroom | | Additional Absorption Area Over 2 Persons Per Bedroom | |
|------------------------------|----------------------------|--|--------------------------------|-----|---|-----|
| | | | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | |
| <i>Coarse Sand</i> | - | 1.2 | 125 | 43 | 60 | 20 |
| <i>Medium Sand</i> | - | 1.2 | 125 | 43 | 60 | 20 |
| <i>Fine Sand</i> | - | 0.8 | 190 | 63 | 95 | 32 |
| Loamy Sand | - | 0.8 | 190 | 63 | 95 | 32 |
| Sandy Loam | <.5 | 0.6 | 250 | 83 | 125 | 41 |
| <i>Light Loam</i> | <.5 | 0.6 | 250 | 83 | 125 | 41 |
| <i>Heavy Loam</i> | .5 – 1 | 0.45 | 335 | 115 | 165 | 55 |
| Silt Loam | <1 | 0.45 | 335 | 112 | 165 | 55 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 335 | 112 | 165 | 55 |
| <i>Light Clay Loam</i> | 1 – 1.5 | 0.30 | 500 | 167 | 250 | 83 |
| <i>Heavy Clay Loam</i> | 1.5 – 2.0 | 0.20 | 750 | 250 | 375 | 125 |
| <i>Light Silty Clay Loam</i> | 1 – 1.5 | 0.30 | 500 | 167 | 250 | 83 |
| <i>Heavy Silty Clay Loam</i> | 1.5 – 2.0 | 0.20 | 750 | 250 | 375 | 125 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | |

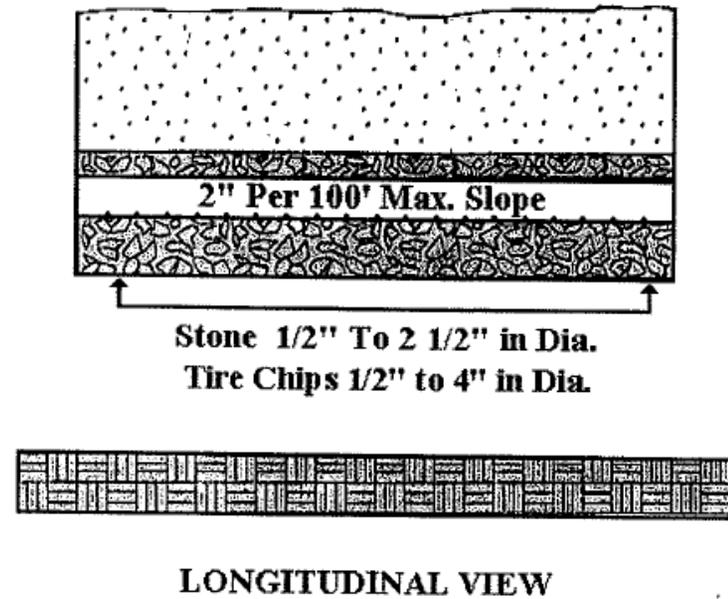
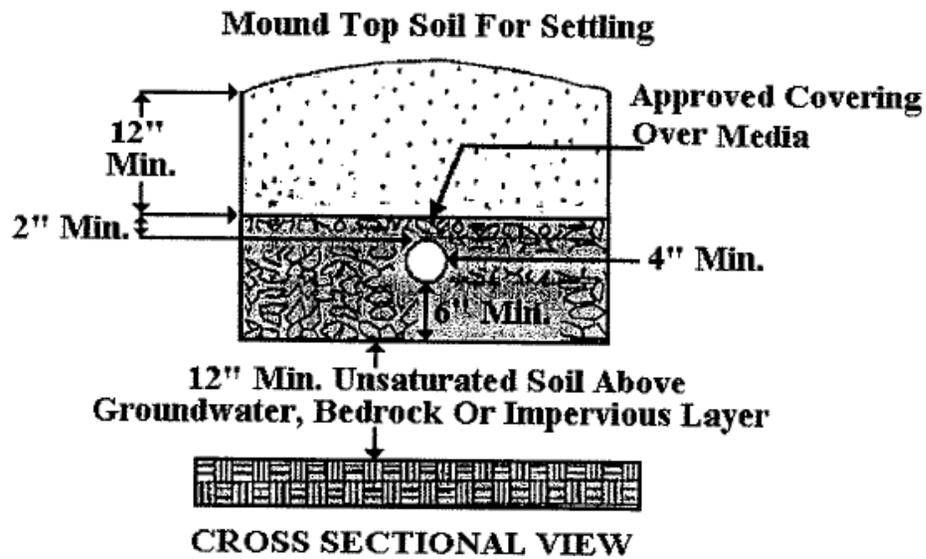
Table II—AGGREGATE SYSTEM SIZING (Results Of Soil Evaluation)

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/Ft ² | Absorption Area Per Bedroom | | Additional Absorption Area Over 2 Persons Per Bedroom | |
|-----------------------|-------------------------|---|-----------------------------|-----|---|-----|
| | | | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | |
| Coarse Sand | - | 1.2 | 125 | 43 | 60 | 20 |
| Medium Sand | - | 1.2 | 125 | 43 | 60 | 20 |
| Fine Sand | - | 0.8 | 190 | 63 | 95 | 32 |
| Loamy Sand | - | 0.8 | 190 | 63 | 95 | 32 |
| Sandy Loam | <.5 | 0.6 | 250 | 83 | 125 | 41 |
| Light Loam | <.5 | 0.6 | 250 | 83 | 125 | 41 |
| Heavy Loam | .5—1 | 0.45 | 335 | 115 | 165 | 55 |
| Silt Loam | <1 | 0.45 | 335 | 112 | 165 | 55 |
| Sandy Clay Loam | 1—2 | 0.45 | 335 | 112 | 165 | 55 |
| Light Clay Loam | 1—1.5 | 0.30 | 500 | 167 | 250 | 83 |
| Heavy Clay Loam | 1.5—2.0 | 0.20 | 750 | 250 | 375 | 125 |
| Light Silty Clay Loam | 1—1.5 | 0.30 | 500 | 167 | 250 | 83 |
| Heavy Silty Clay Loam | 1.5—2.0 | 0.20 | 750 | 250 | 375 | 125 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | |

SOURCE: Miss Code Ann. §41-67-3

Figure I – Conventional Subsurface Absorption

Trench Cross Section



SOURCE: Miss Code Ann. §41-67-3

Figure II – Ultra Shallow Absorption Field

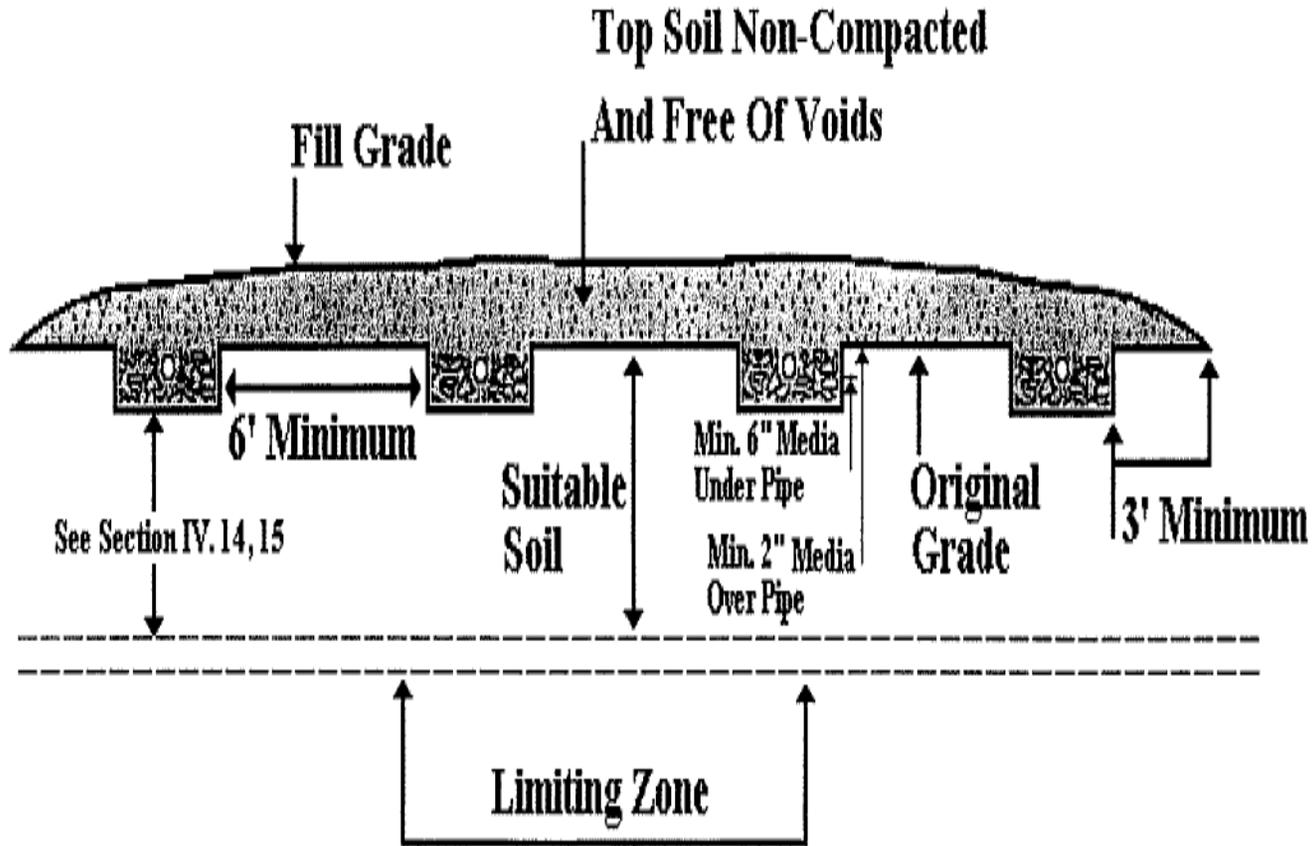
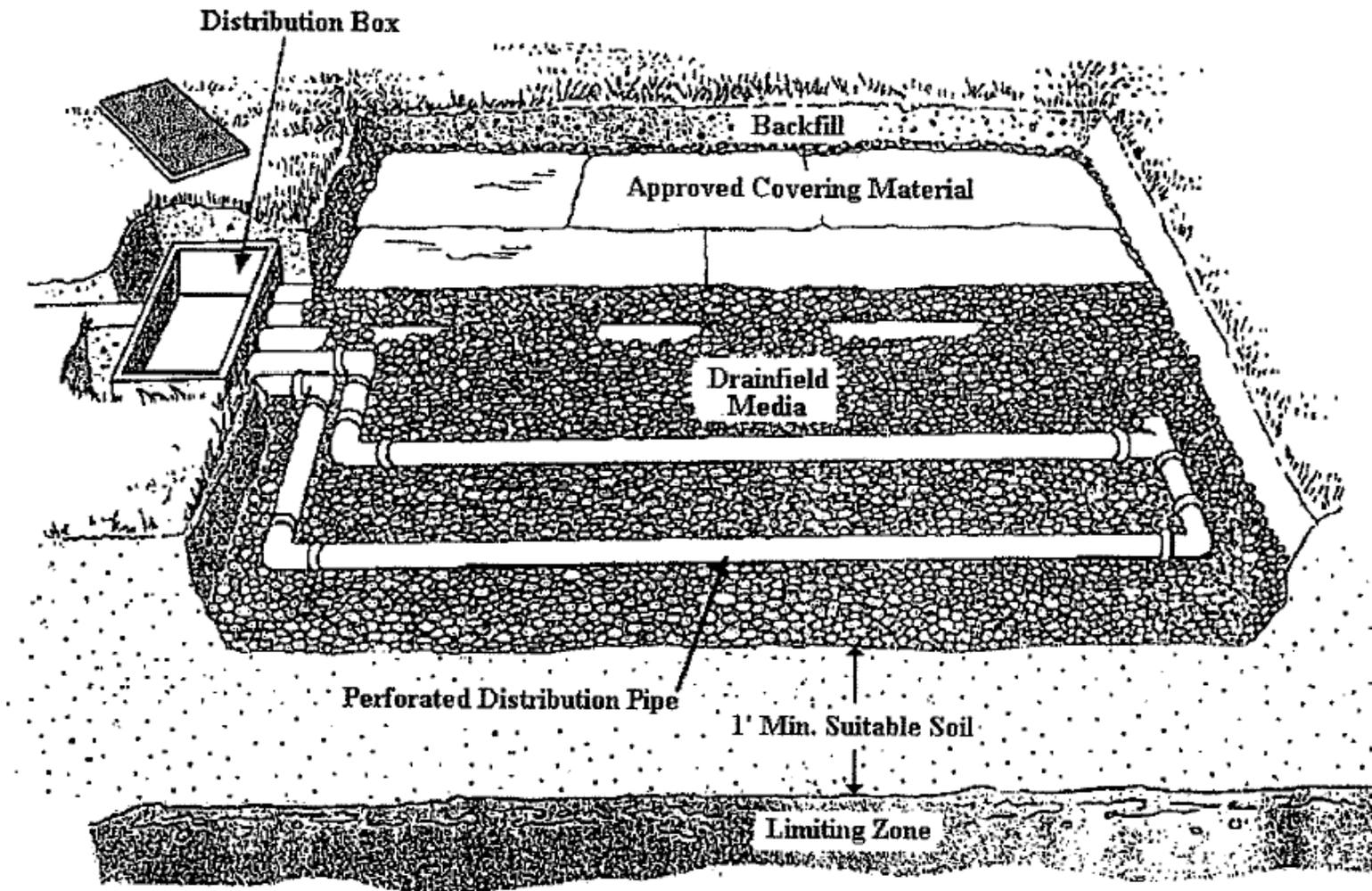
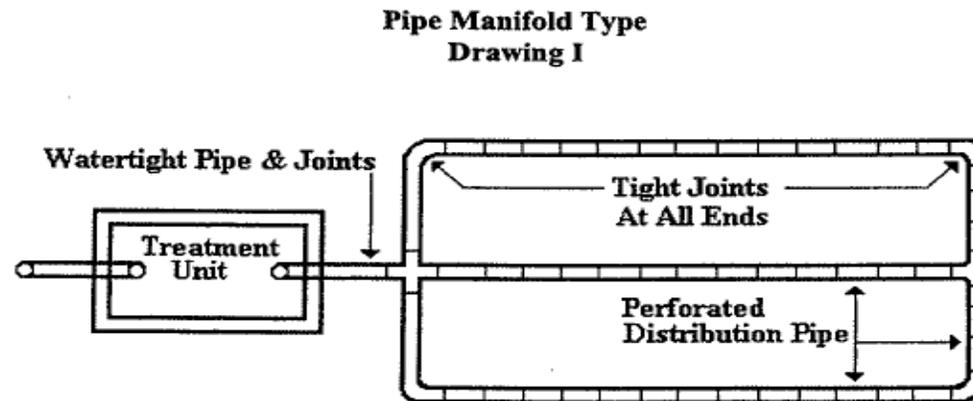


Figure III – Conventional Absorption Bed

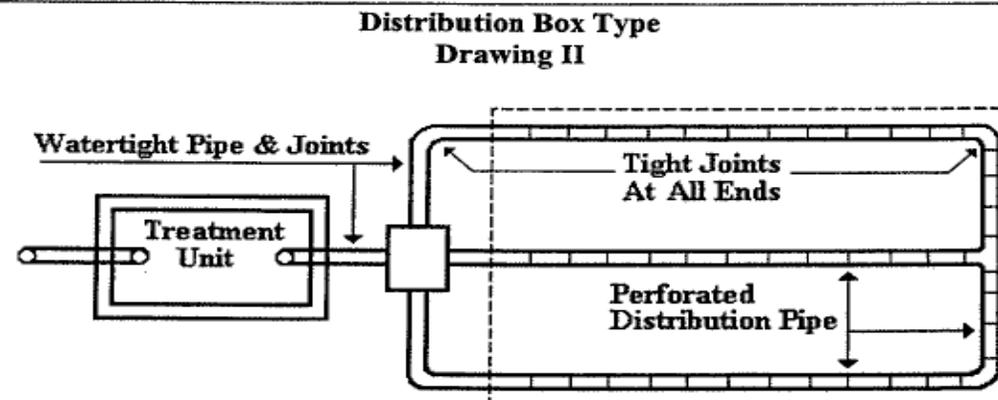


SOURCE: Miss Code Ann. §41-67-3

Figure IV – Effluent Distribution for Absorption Beds

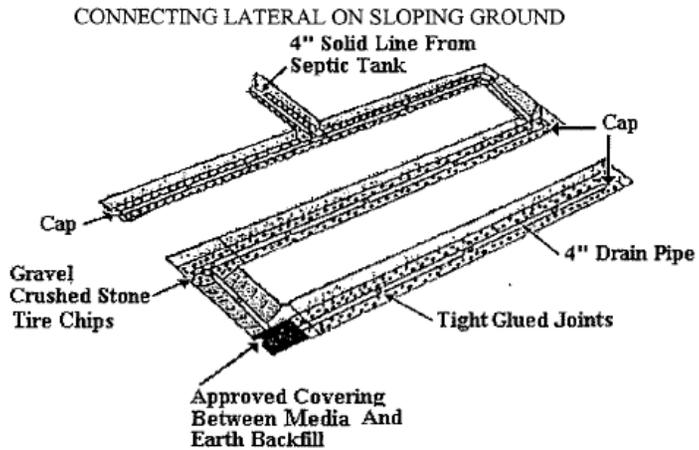
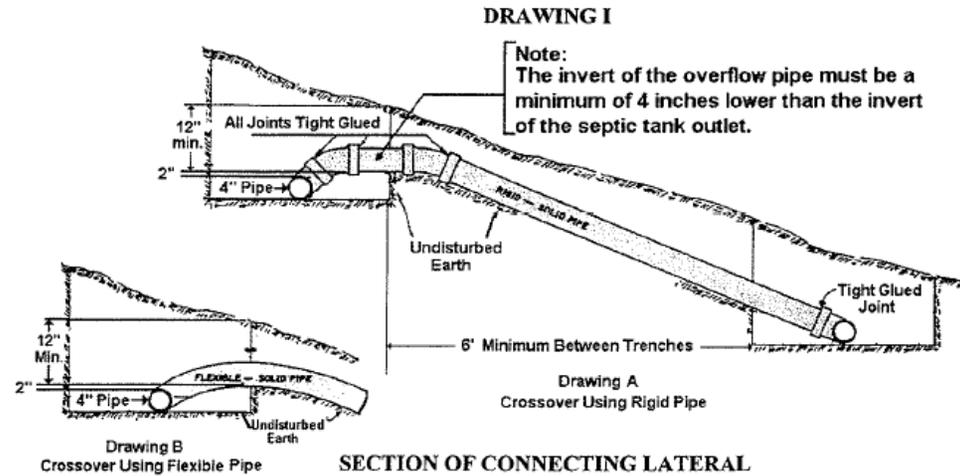


In absorption bed systems where the entire infiltrative surface is at one elevation closed loop networks may be used. The distribution pipe is laid level over the media filled excavation and the ends connected together with additional pipe with ell or tee fittings.



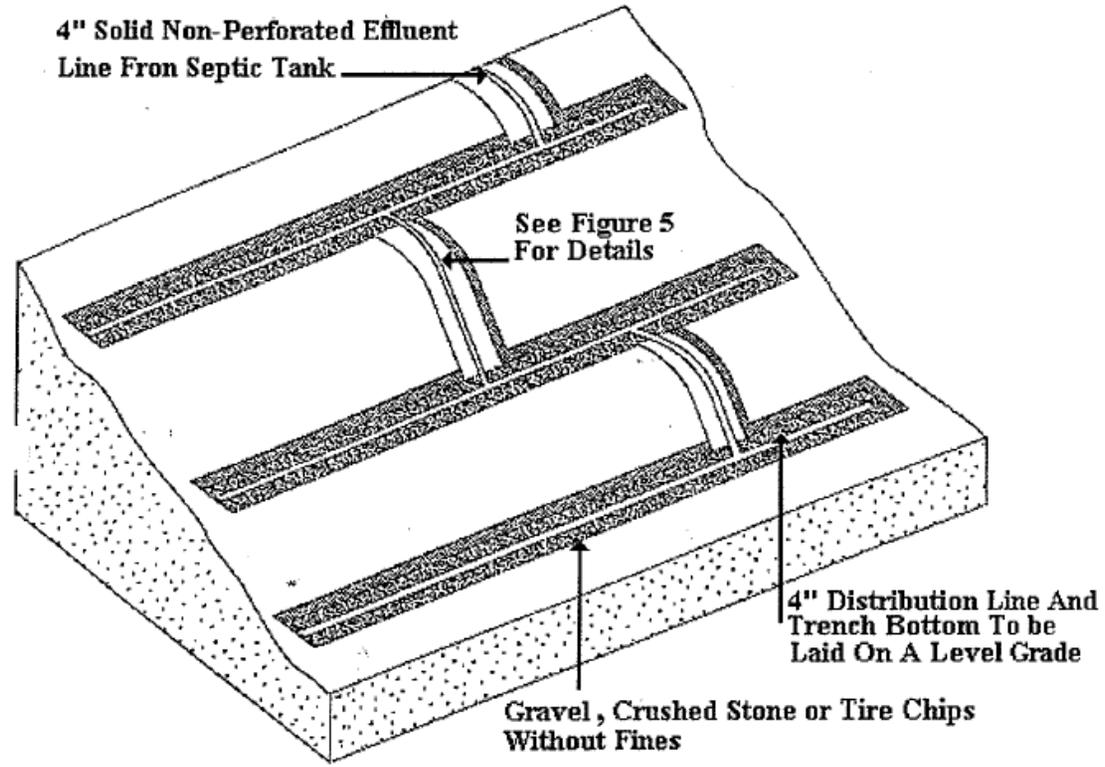
SOURCE: Miss Code Ann. §41-67-3

Figure V – Connection Lateral [Spill overs]



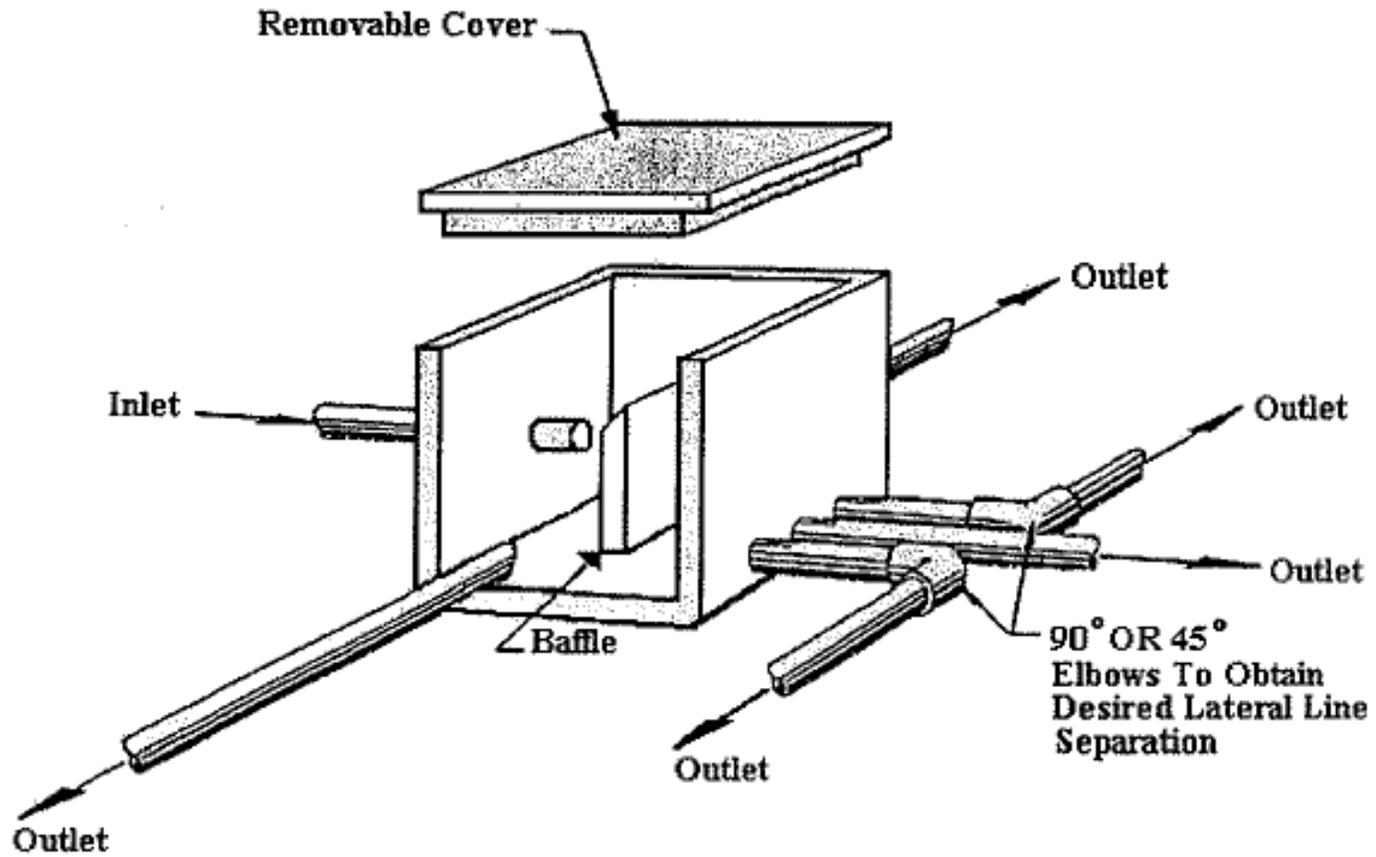
SOURCE: Miss Code Ann. §41-67-3

Figure VI – Conventional Absorption Bed



SOURCE: Miss Code Ann. §41-67-3

Figure VII – Distribution Box



SOURCE: Miss Code Ann. §41-67-3

Subchapter 5. AGGREGATE REPLACEMENT

Rule 5.5.1 In a conventional ~~onsite wastewater~~ system, treatment begins in the septic tank, under anaerobic conditions. Final treatment and disposal takes place in the soil of the drain field, an aerobic environment. It is necessary for this aerobic condition to exist in the soil of the drain field for proper treatment of the effluent.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.2 **Definitions:**

1. ~~Chamber System—a system of bottomless molded plastic chambers installed in direct contact with the trench bottom to infiltrate primary treated effluent into the soil for final treatment and disposal.~~
2. Aggregate Replacement Disposal System - any normally gravity-fed subsurface disposal field utilizing an alternate media or technology to act as a replacement for the aggregate media. These system depths range from 36 to 6 inches in depth.
 - a. Standard Subsurface Disposal 25 in. to 36 in.
 - b. Shallow Subsurface Disposal 13 in. to 24 in.
 - c. Ultra-shallow Subsurface Disposal 6 in. to 12 in.
3. Chamber System - a manufactured product, bottomless that utilize contact with the trench bottom to infiltrate primary treated effluent into the soil for final treatment and disposal.
4. Large Diameter ~~Aggregate Replacement System – a manufactured product subsurface disposal system~~ that utilizes large diameter pipe covered with a filtering material ~~approved by the Mississippi State Department of Health for use in IOWDS systems.~~
5. Multi-Pipe ~~Aggregate Replacement System – a manufactured product subsurface disposal system~~ that utilizes bundles of 4 inch perforated pipe to provide a void space. The top pipe in one bundle of this system receives the treated effluent for distribution throughout the disposal system ~~a multiple arrangement of piping, approved by the Mississippi State Department of Health, to replace the aggregate media of conventional soil absorption systems for use in IOWDS systems— .~~
6. Treatment - a process applied to wastewater which causes the resulting effluent to meet or exceed EPA secondary standards for treated wastewater for surface discharge and which does not endanger the public health.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.3 **Site Evaluation:**

1. ~~Information obtained during the soil and site evaluation will determine which type(s) of IOWDS may be utilized for an individual lot.~~
2. ~~Prior to completing the Soil and Site Evaluation/System Recommendation, the Environmentalist shall visit the lot and conduct the soil and site evaluation.~~
3. ~~The soil determinations will be made based on soil borings to a depth of five feet or to a depth sufficient to reach a restrictive horizon. Restrictive soil or site conditions may preclude the use of any subsurface disposal system.~~
4. ~~A soil and site evaluation will be based on the following criteria:~~
 - a. ~~Absence of or protection from frequent flooding.~~
 - b. ~~Landscape position with good surface runoff.~~
 - c. ~~Slopes of less than 15%.~~
 - d. ~~Depth to high water table of greater than four feet.~~
 - e. ~~Depth to bedrock, fragipan or plinthite of greater than four feet.~~
 - f. ~~Soil texture and color defined by the Natural Resource Conservation Service as indicating good drainage and suitability for soil absorption, based on a soil boring of five feet.~~
 - g. ~~Available area in which to install an individual onsite wastewater disposal system meeting all requirements of this regulation. The area for repairs and future extensions shall be no less than 50% of the space required for the recommended system. Systems utilizing surface land application discharge are exempt from the 50% additional area requirement.~~
5. ~~The non-compliance of one or more of the above items may require a design alteration of an underground system.~~

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.4 Location of Onsite Wastewater Disposal Systems:

1. All components of the onsite wastewater disposal system shall be located a minimum of:
 - a. ~~five~~ 5 feet from any dwelling.
 - b. ~~ten~~ 10 feet from any property line.
2. Any vessel holding wastewater shall be located a minimum of 50 feet from any public, private or individual potable water source.

3. The effluent disposal field shall be located at a lower elevation or in a landscape position that will preclude any surface runoff from flowing in the direction of the well site and a minimum of 100 feet from any public, private or individual potable water source.
4. Potable water lines shall not pass under or through any part of the sewage disposal system. Where a water supply line must cross a sewer line, the bottom of the water service within ten feet of the point of crossing, shall be at least 12 inches above the top of the sewer line. The sewer line shall be of Schedule 40 pipe with cemented joints at least ten feet on either side of the crossing. Water and sewer lines shall not be laid in the same trench. The water and sewer lines, when laid on the same elevation, shall maintain a minimum separation distance of 10 feet.
5. The surface of or the surface above the disposal field shall not be used for vehicular traffic or vehicular parking.
6. No portion of an onsite wastewater disposal system shall be located under dwellings or other permanent structures.
7. Effluent disposal systems shall not be located in depressed areas where surface water will accumulate. Provision shall be made to minimize the flow of surface water over the effluent disposal field.
8. Refer to: SETBACK REQUIREMENTS FROM SENSITIVE WATER
~~Subsurface wastewater disposal field setbacks from sensitive waters. [See Table H].~~
9. Slopes of greater than 30% shall not be considered for subsurface disposal installation.
10. Where all or part of the onsite wastewater disposal system is proposed to be installed on property other than the owner's, an easement in perpetuity shall be legally recorded in the proper county. The easement shall be of sufficient area to permit access, construction and maintenance of the onsite sewage wastewater disposal system.
11. No site for an effluent disposal field or expansion area shall be approved which is located wholly within an area which is frequently flooded, swamp, marsh, or wetland. Except that if permits have been issued by the proper regulatory agency authorizing the use of wetlands for building sites, the property shall be evaluated using standard soil and site criteria for Individual On-site Wastewater Disposal System ~~IOWDS~~.
12. When a proposed lot is located partially within a frequently flooded area, that portion of said lot not within the flood prone area may be considered for approval for the effluent disposal field.

13. There shall be maintained a minimum of 12 inches of unsaturated soil between the bottom of the subsurface disposal system and ~~a perched or~~ Seasonal High Water Table in soils that contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within ~~five~~ 5 feet of the surface.
14. There shall be maintained a minimum of 24 inches of unsaturated soil between the bottom of the subsurface disposal system and ~~any perched or~~ Seasonal High Water Table in soils that do not contain a restrictive horizon (fragipan, chalk, bedrock, clay or silty clay) within ~~five~~ 5 feet of the surface.
15. Easements or right-of-way areas for utilities, surface or subsurface drainage, roads, streets, ponds or lakes shall not be used as available space for location of individual onsite sewage disposal systems.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.5 Underground Absorption:

1. Aggregate replacement systems shall comply with all criteria for subsurface gravel disposal systems except in sections pertaining to the gravel media or as specified in this regulation.
2. The size of the subsurface sewage disposal system shall be determined by soil texture and estimated wastewater flow.
3. Soils with excessively rapid permeability rates, gravel and coarse sand, shall be considered unsuitable for subsurface disposal unless the native soil is replaced with a suitably thick (greater than ~~two~~ 2feet) layer of loamy sand or sand textured soil.
4. Soils with excessively slow permeability rates, silty clay and clay, shall be considered unsuitable for conventional subsurface disposal.
5. Subsurface disposal systems shall be placed no deeper than 36 inches below the surface.
6. Aggregate replacement subsurface disposal systems shall have a minimum 12 inches of soil backfill.
7. The minimum distance between absorption trench sidewalls shall be ~~six~~ 6 feet.
8. Trenches shall not be excavated when the soil is wet enough to smear or compact easily.
9. There shall be a minimum of ~~three~~ 3 feet of undisturbed soil between the excavation for the septic tank or treatment plant and the beginning of the absorption trench, bed or effluent line.

10. The bottom of the outlet of the septic tank, ~~aerobic treatment plant~~ or vessel Advance Treatment System supplying effluent to the pipe must be a minimum of ~~one~~ 1 inch above the top of the aggregate replacement system.
11. Care must be taken when backfilling to prevent the pipe from shifting during the backfilling process.
12. Soil material excavated from trenches shall be used in backfilling and should be left mounded over the trenches until initial settling has taken place.
13. Standard manufactured fittings compatible with the pipe shall be used to connect all pipes within the effluent disposal field.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.6 Alternating Disposal Fields:

1. An alternating effluent disposal field system provides ~~two~~ 2 complete disposal fields, separated by a valving system so that each system could alternately be used and rested. This "resting" has shown to be useful in regenerating the soil's capability for absorbing the effluent.
2. The size of each field can be from 50 to 100% ~~percent~~ of the required square footage of a single disposal field.
3. The length of time each field would be used and then rested will be determined on a case-by-case basis.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.7 Shallow and Ultra-shallow Disposal Fields: Shallow or ultra-shallow systems can sometimes be used where the depth to the restrictive horizon or Seasonal High Water Table is less than the minimum required. Placement of the system may be as shallow as 6 inches for large diameter "double-six" ~~aggregate replacement~~ pipe systems. Ultra-shallow installations shall be restricted to soil textures of loam or lighter. Shallow installations may be placed in any texture shown as suitable in the system specific sizing tables.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.8 Sizing: The large diameter ~~aggregate replacement~~ systems shall be sized in accordance with the following tables.

SOURCE: Miss Code Ann. §41-67-3

Construction:

1. Large diameter aggregate replacement absorption trenches shall be a minimum of 24 inches and a maximum of 36 inches in width.
2. The bottom of the trenches or bed and the distribution lines shall have a grade from level to no greater than ~~two~~ 2 inches fall per 100 feet for double-six inch large diameter ~~aggregate replacement~~ pipe and ~~one~~ 1 inch fall per 100 feet for ~~eight 8 and ten 10~~ inch large diameter ~~aggregate replacement~~ pipe.
3. Overlap filter wrap at coupling joints and seal using factory approved methods.
4. The 4" inch pipe from the septic tank, ~~aerobic treatment plant or vessel~~ Advance Treatment System supplying effluent to the ~~aggregate replacement~~ pipe shall be installed into an offset connector particular to the type and manufacturer of the pipe. These connectors will also be used when crossovers are constructed to change elevations of field system.
5. Fabric must be pulled over offset connector and sealed using a factory approved method.
6. The ends of the large diameter ~~aggregate replacement~~ pipe shall be closed with an end cap particular to the type and manufacturer of the pipe.
7. Care must be taken during backfilling to prevent the manufactured product ~~aggregate replacement pipe~~ from "crawling" when backfill is applied.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.9 ~~Distribution of Effluent:~~

1. ~~Aggregate Replacement Pipe Systems~~
 - a. When a change in elevation of the disposal trench is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the ~~Aggregate replacement~~ pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the ~~aggregate replacement~~ pipe. The distribution box shall be level and supply all lines equally. Field lines must be equal lengths when served by one distribution box.
 - b. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. Non-perforated rigid pipe shall exit the distribution box for a minimum of ~~five~~ 5 feet at level grade before the effluent distribution line (perforations) begins.
 - c. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least ~~four~~ 4 inches lower than the invert of the septic tank outlet line. ~~Crossovers shall be constructed as shown in Figure 1.~~

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.10 Absorption Beds: Absorption beds may be constructed using large diameter ~~aggregate replacement filter wrap~~ pipe.

1. Absorption beds and trenches should be located a minimum of 10 feet from any trees.
2. The amount of linear footage required shall be the same as for trench configurations. The bottom of the bed should have a relatively level grade; the grade within the bed shall not exceed the grade allowed for trench installations.
3. Lines for distributing effluent shall be spaced from 3 to 6 feet apart with the first and last pipe placed next to the sidewall of the bed. The number size of the absorption bed lines will depend on the required linear feet of aggregate replacement manufactured product line (Table II & III) and width of the bed to be constructed.
4. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
5. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.
6. When a change in elevation of the disposal trench is required, a connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the ~~aggregate replacement~~ pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the pipe. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least ~~four~~ 4 inches lower than the invert effluent line of the septic tank, ~~aerobic treatment plant~~ or vessel Advanced Treatment System supplying effluent to the pipe ~~[Figure 4]~~.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.11 **Multi-Pipe ~~Aggregate Replacement~~ Systems:**

1. ~~General: The multi-pipe aggregate replacement system is a system that utilizing bundles of four 4 inch perforated pipe to provide a void space. The top pipe in one bundle of this system receives the treated effluent for distribution throughout the disposal system.~~ All multi-pipe aggregate replacement systems must be installed by a Certified Installer that is factory-trained and authorized by the manufacturer.
2. Sizing: The multi-pipe aggregate replacement systems shall be sized in accordance with the MULTI-PIPE SYSTEM TABLE IV.

3. Construction

- a. The bottom of the trenches and the distribution lines shall have a grade from level to no greater than ~~two~~ 2 inches fall per 100 feet for multi-pipe ~~aggregate replacement~~ systems.
- b. Multi-pipe ~~aggregate replacement~~ system trenches shall be a minimum of 24 and a maximum of 36 inches in width.
- c. The multi-pipe ~~aggregate replacement~~ system must be installed with effluent being distributed to each trench distribution pipe by use of a distribution box or a level pipe header.
 - i. When a change in elevation of the disposal trench is required, a distribution box or approved crossover shall be used. The distribution box, if used, shall be level and supply all lines equally.
 - ii. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. Non-perforated rigid pipe shall exit the distribution box for a minimum of ~~five~~ 5 feet at level grade before the effluent distribution line (perforations) begins.
- d. The system shall be covered with a manufacturer-approved, geotextile cloth before backfilling.
- e. The geotextile cloth shall cover the open ends of the void and distribution pipes at their termination at the ends of the trench.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.12 When a change in elevation of the disposal trench is required, an additional distribution box or connecting lateral/crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the multi-pipe ~~aggregate replacement~~ distribution pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the distribution system. Crossover lines shall be laid on undisturbed earth. The invert of the crossover must be at least ~~four~~ 4 inches lower than the invert effluent line of the septic tank, ~~aerobic treatment plant~~ or vessel Advanced Treatment System supplying effluent to the pipe.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.13 Absorption Bed [Multi-pipe System]

1. Multi-pipe systems installed in a bed configuration shall have the same linear foot requirements as indicated for their respective trench configurations. The size length and width of the absorption bed to be constructed will depend be

~~determined by the number of multi-pipe systems wide and the length selected to comply with on the linear footage feet of product required under Table IV.~~

2. The multi-pipe system shall be placed side by side in the bed. Any side by side placement of multi-pipe systems shall constitute a bed.
3. The bottom of the bed should have a relatively level grade, from the end and side to side. The grade within the bed shall not exceed the grade allowed for trench installations.
4. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.
5. The multi-pipe system may be cut in-order to accommodate setbacks. The multi-pipe system shall be cut to a length which preserves the integrity of the banded void pipes and provides adequate banding of the system a minimum of every 18 inches to a maximum of every 20 inches. Manufactured couplers shall be used to join cut ends of the void pipes.
6. The system shall be covered with a manufacturer-approved geotextile cloth before backfilling.
7. The geotextile cloth shall cover the open ends of the void pipes.
8. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.14 **Expanded Polystyrene (EPS) Aggregate Systems**

1. ~~General: The EPS Aggregate system utilizes bundles of expanded polystyrene aggregate to replace rock aggregate in a subsurface disposal system. Effluent is distributed via a 4 inch perforated pipe incorporated into the center of one EPS bundle. System configurations of multiple bundles will incorporate one bundle run containing the 4 inch perforated pipe in conjunction with bundles containing only EPS aggregate. This 4 inch perforated pipe receives the treated effluent for distribution throughout the trench. The expanded polystyrene aggregate must be contained in a material that is resistant to the effects of wastewater, will prevent the loss of aggregate from the container and strong enough to retain the shape of the bundles during system installation and backfilling. All Expanded Polystyrene Systems Aggregate Systems must be installed by a factory trained Certified Installer that is an authorized representative of the Certified Manufacturer.~~
2. Construction

- a. The Expanded Polystyrene Systems ~~EPS Aggregate System~~ absorption trenches shall be a minimum of 24 inches and a maximum of 36 inches in width.
 - b. The bottom of the trenches and the distribution lines shall have a grade from level to no greater than ~~two~~ 2 inches fall per 100 feet.
 - c. The grade shall be measured from the trench bottom and not the effluent distribution line encased in the Expanded Polystyrene Systems ~~EPS~~ bundle.
 - d. The Expanded Polystyrene Systems ~~EPS Aggregate system~~ shall be covered with an approved cover material before backfilling. Covering material shall consist of craft paper or other bio-degradable product approved and/or supplied by the manufacturer.
3. ~~Distribution of Effluent [EPS Aggregate System]~~
- a. When a change in elevation of the disposal trench is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the distribution pipe in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the system ~~[Figure 2]~~. The invert of the crossover must be at least ~~four~~ 4 inches lower than the invert of the septic tank outlet line.
 - b. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. The distribution box shall be level and supply all lines equally. Field lines must be equal lengths when served by ~~one~~ 1 distribution box. Non-perforated rigid pipe shall exit the distribution box for a minimum of ~~five~~ 5 feet at level grade before the effluent distribution line (perforations) begins.
4. ~~Absorption Beds [EPS Aggregate Systems]: Absorption beds may be constructed using the EPS Aggregate system.~~
- a. Absorption beds and trenches should be located a minimum of 10 feet from any trees.
 - b. The amount of linear footage required for Expanded Polystyrene Systems ~~EPS horizontal systems~~ shall be the same as for trench configurations ~~[Table V]~~. The bottom of the bed should have a relatively level grade; the grade within the bed shall not exceed the grade allowed for Expanded Polystyrene Systems ~~EPS~~ trench installations. Expanded Polystyrene Systems ~~EPS~~ triangular systems shall not be used in bed configurations.

- c. The Expanded Polystyrene Systems EPS bundles shall be placed side by side in the bed. The size number of the absorption bed bundles will depend on the required linear feet of aggregate replacement product footage required and the width of the bed to be constructed.
- d. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
- e. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.

5. Sizing

Expanded Polystyrene Systems EPS Aggregate systems shall be sized in accordance ~~Table~~ with EXPANDED POLYSTYRENE SYSTEM (EPS) “HORIZONTAL” CONFIGURATION and/or EXPANDED POLYSTYRENE SYSTEM (EPS) “TRIANGULAR” CONFIGURATION Chart

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.15 Chamber ~~Subsurface Disposal~~ Systems:

- 1. ~~General: Chamber systems utilize molded plastic bottomless chambers which are installed in a drain field excavation with the open bottom of the chamber in direct contact with the trench bottom. The chambers are linked together in such a manner as to completely cover the excavation with adjacent chambers in contact with each other. Effluent is introduced into the chambers and is absorbed into the soil for final treatment and disposal. All chamber systems must be installed by a factory trained Certified Installer and that is an authorized installer representative of the Certified Manufacturer.~~
- 2. Chamber Class Designation
 - a. Each model of chamber will be assigned a class designation based on the bottom square footage of the chamber section. This square footage will be derived by a multiple of the outside width and the useable length of the chamber section.
 - b. Chamber models will be assigned a class designation according to ~~Table~~ VII.

SOURCE: Miss Code Ann. §41-67-3

Rule 5.5.16 Construction:

- 1. The chamber system absorption trenches shall be a minimum of 18 inches and a maximum of 36 inches in width.

2. The bottom of the trenches shall have a grade from level to no greater than ~~two~~ (2) inches fall per 100 feet.
3. The grade shall be measured from the trench bottom and not the chamber top.
4. The chamber system shall be covered as per the manufacturer's specifications. In all cases there shall be a minimum of 12 inches of soil cover over the chamber system.
5. The minimum height of a chamber, at its centerline, shall be 8 ~~eleven (11)~~ inches.
6. The last chamber in each "run" shall be terminated with an end plate.

SOURCE: Miss Code Ann § 41-67-3

Rule 5.5.17 Distribution of Effluent [~~Chamber Systems~~]

1. When a change in elevation of the chamber system is required, a distribution box, connecting lateral or crossover must be used. At the point where a crossover line leaves a lateral, the trench for the crossover line shall be dug no deeper than the top of the endplate inlet or the inlet in the top of the chamber in the preceding trench so that an undisturbed block of earth will remain in place for the full depth of the system. The invert of the crossover must be at least four inches lower than the invert of the septic tank outlet line.
2. Distribution boxes may be used to connect the effluent line to the effluent distribution lines. The distribution box shall be level and supply all lines equally. Field lines (chambers) must be equal lengths when served by ~~one~~ 1 distribution box. Non-perforated rigid pipe shall exit the distribution box for a minimum of ~~five~~ 5 feet at level grade before the effluent distribution line begins.

SOURCE: Miss Code Ann. §41-67-3

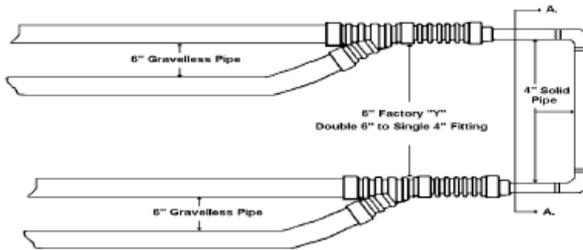
Rule 5.5.18 ~~Sizing of the Chamber System:~~

1. ~~Refer to: Chamber systems installed in a trench configuration shall be sized in accordance with Table VIII CHAMBER SYSTEM.~~
2. Chamber systems installed in a bed configuration shall have the same number of chamber sections as indicated for a trench system. ~~The size length and width of the absorption bed to be constructed will depend on the required linear feet of aggregate replacement product number of chamber sections to be installed as indicated by Table VIII.~~ Any side-by-side placement of chambers shall constitute a bed.
 - a. Absorption beds and trenches should be located a minimum of 10 feet from any trees.

- b. The bottom of the bed should have a relatively level grade; the grade within the bed shall not exceed the grade allowed for trench installations.
- c. The chambers shall be placed side by side in a bed with separation between each chamber row per individual manufacturer's requirements.
- d. Care should be taken to prevent heavy machinery from damaging the bed during backfilling.
- e. The effluent must be equally distributed to the bed by means of a distribution box or with a pipe manifold.

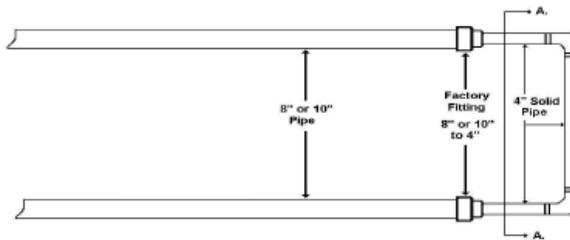
SOURCE: Miss Code Ann. §41-67-3

Figure I – Top View of Connecting Laterals for Large Diameter Pipes



Top View (Double Six Connecting Lateral)

The double six lines shall be joined with a factory connector that will reduce the two lines to a single four inch pipe. The crossover will be constructed with solid pipe and the factory connector will be used to go from four inch to double six for the lower line.

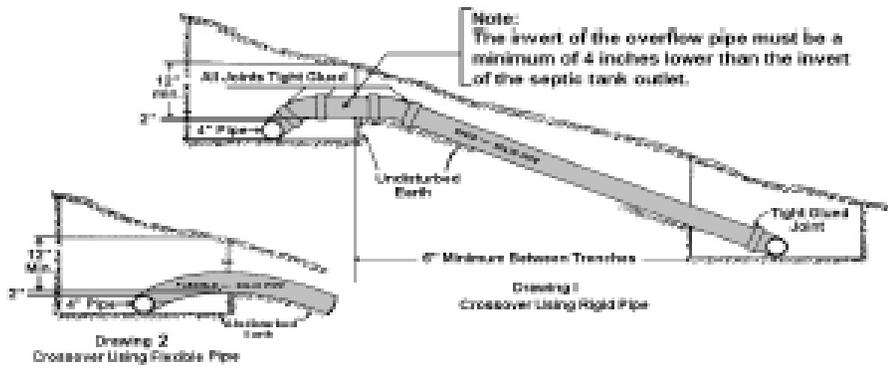


Top View (8 and 10 inch Connecting Lateral)

The upper line shall be joined to the crossover line with a factory connector that will reduce the 8 or 10 inch line to a four inch pipe. The crossover will be constructed with solid pipe and the factory connector will be used to go from four inch to 8 or 10 inch pipe for the lower line.

SOURCE: Miss Code Ann. §41-67-3

Figure II – Connection Laterals of Multi-pipe System, Expanded Polystyrene System, and Chamber System



SOURCE: Miss Code Ann. §41-67-3

LARGE DIAMETER PIPE

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | Loading Rate GPD/ Ft ² | Absorption Area Per Bedroom** | | | | | | Additional Absorption Area Over 2 Persons Per Bedroom** | | | | | |
|------------------------------|-------------------------|-----------------------------------|-------------------------------|------|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|
| | | | Ft ² | | | *Lf | | | Ft ² | | | *Lf | | |
| | | | 6 | 8 | 10 | 6 | 8 | 10 | 6 | 8 | 10 | 6 | 8 | 10 |
| Gravel | - | - | NOT SUITABLE | | | | | | | | | | | |
| <i>Coarse Sand</i> | - | 1.2 | 189 | 189 | 125 | 63 | 63 | 43 | 95 | 95 | 63 | 32 | 32 | 22 |
| <i>Medium Sand</i> | - | 1.2 | 189 | 189 | 125 | 63 | 63 | 43 | 95 | 95 | 63 | 32 | 32 | 22 |
| <i>Fine Sand</i> | - | 0.8 | 285 | 285 | 190 | 95 | 95 | 63 | 143 | 143 | 95 | 43 | 43 | 32 |
| Loamy Sand | - | 0.8 | 285 | 285 | 190 | 95 | 95 | 63 | 143 | 143 | 95 | 43 | 43 | 32 |
| Sandy Loam | <.5 | 0.6 | 375 | 375 | 250 | 125 | 125 | 83 | 188 | 188 | 125 | 63 | 63 | 42 |
| <i>Light Loam</i> | <.5 | 0.6 | 375 | 375 | 250 | 125 | 125 | 83 | 188 | 188 | 125 | 63 | 63 | 42 |
| <i>Heavy Loam</i> | .5 – 1 | 0.45 | 504 | 504 | 335 | 168 | 168 | 112 | 252 | 252 | 168 | 84 | 84 | 56 |
| Silt Loam | <1 | 0.45 | 504 | 504 | 335 | 168 | 168 | 112 | 252 | 252 | 168 | 84 | 84 | 56 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 504 | 504 | 335 | 168 | 168 | 112 | 252 | 252 | 168 | 118 | 118 | 56 |
| <i>Light Clay Loam</i> | 1 – 1.5 | 0.30 | 750 | 750 | 500 | 250 | 250 | 167 | 375 | 375 | 250 | 125 | 125 | 84 |
| <i>Heavy Clay Loam</i> | 1.5 – 2.0 | 0.20 | 1125 | 1125 | 750 | 375 | 375 | 250 | 563 | 563 | 375 | 188 | 188 | 125 |
| <i>Light Silty Clay Loam</i> | 1 – 1.5 | 0.30 | 750 | 750 | 500 | 250 | 250 | 167 | 375 | 375 | 250 | 125 | 125 | 84 |
| <i>Heavy Silty Clay Loam</i> | 1.5 – 2.0 | 0.20 | 1125 | 1125 | 750 | 375 | 375 | 250 | 563 | 563 | 375 | 188 | 188 | 125 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

MULTI-PIPE SYSTEM

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/ Ft ² | Absorption Area Per Bedroom** | | | | | | | | Additional Absorption Over 2 Person Per Bedroom** | | | | | | | |
|-----------------------|-------------------------|--|-------------------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|---|-----|-----------------|----|-----------------|-----|-----------------|-----|
| | | | MP -14 | | MP -13 | | MP -11 | | MP -9 | | MP -14 | | MP -13 | | MP -11 | | MP -9 | |
| | | | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 | 63 | 21 | 48 | 16 | 57 | 19 | 66 | 22 |
| Medium Sand | - | 1.2 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 | 63 | 21 | 48 | 16 | 57 | 19 | 66 | 22 |
| Fine Sand | - | 0.8 | 190 | 63 | 144 | 48 | 168 | 56 | 201 | 67 | 98 | 32 | 72 | 24 | 84 | 28 | 102 | 34 |
| Loamy Sand | - | 0.8 | 190 | 63 | 144 | 48 | 168 | 56 | 201 | 67 | 98 | 32 | 72 | 24 | 84 | 28 | 102 | 34 |
| Sandy Loam | <.5 | 0.6 | 250 | 83 | 189 | 63 | 222 | 74 | 264 | 88 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 |
| Light Loam | <.5 | 0.6 | 250 | 83 | 189 | 63 | 222 | 74 | 264 | 88 | 125 | 42 | 96 | 32 | 111 | 37 | 132 | 44 |
| Heavy Loam | .5 – 1 | 0.45 | 335 | 112 | 255 | 85 | 297 | 99 | 354 | 118 | 168 | 56 | 129 | 43 | 150 | 50 | 177 | 59 |
| Silt Loam | <1 | 0.45 | 335 | 112 | 255 | 85 | 297 | 99 | 354 | 118 | 168 | 56 | 129 | 43 | 150 | 50 | 177 | 59 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 335 | 112 | 255 | 85 | 297 | 99 | 354 | 118 | 168 | 56 | 129 | 43 | 150 | 50 | 177 | 59 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 500 | 167 | 381 | 127 | 444 | 148 | 591 | 177 | 250 | 84 | 192 | 64 | 222 | 74 | 267 | 89 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 750 | 250 | 570 | 190 | 669 | 223 | 795 | 265 | 375 | 125 | 285 | 95 | 336 | 112 | 399 | 133 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 500 | 167 | 381 | 127 | 444 | 148 | 591 | 177 | 250 | 84 | 192 | 64 | 222 | 74 | 267 | 89 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 750 | 250 | 570 | 190 | 669 | 223 | 795 | 265 | 375 | 125 | 285 | 95 | 336 | 112 | 399 | 133 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

EXPANDED POLYSTYRENE SYSTEM (EPS)

“HORIZONTAL” CONFIGURATION

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/ Ft ² | Absorption Area Per Bedroom** | | | | | | | | Additional Absorption Over 2 Person Per Bedroom** | | | | | | | |
|-----------------------|-------------------------|--|-------------------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|---|-----|-----------------|-----|-----------------|-----|-----------------|----|
| | | | 3-10H | | 1 – 12 | | 2 – 12 | | 3 -12 | | 3-10 Inch | | 1-12 Inch | | 2-12 Inch | | 3-12 Inch | |
| | | | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf | Ft ² | Lf |
| Gravel | - | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 88 | 35 | 162 | 86 | 86 | 43 | 87 | 29 | 43 | 17 | 82 | 41 | 42 | 21 | 42 | 14 |
| Medium Sand | - | 1.2 | 88 | 35 | 162 | 86 | 86 | 43 | 87 | 29 | 43 | 17 | 82 | 41 | 42 | 21 | 42 | 14 |
| Fine Sand | - | 0.8 | 133 | 53 | 262 | 131 | 132 | 66 | 132 | 44 | 65 | 26 | 132 | 66 | 66 | 33 | 66 | 22 |
| Loamy Sand | - | 0.8 | 133 | 53 | 262 | 131 | 132 | 66 | 132 | 44 | 65 | 26 | 132 | 66 | 66 | 33 | 66 | 22 |
| Sandy Loam | <.5 | 0.6 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 | 88 | 35 | 172 | 86 | 86 | 43 | 87 | 29 |
| Light Loam | <.5 | 0.6 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 | 88 | 35 | 172 | 86 | 86 | 43 | 87 | 29 |
| Heavy Loam | .5 – 1 | 0.45 | 233 | 93 | 462 | 231 | 232 | 116 | 231 | 77 | 115 | 46 | 228 | 114 | 114 | 57 | 114 | 38 |
| Silt Loam | <1 | 0.45 | 233 | 93 | 462 | 231 | 232 | 116 | 231 | 77 | 115 | 46 | 228 | 114 | 114 | 57 | 114 | 38 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 233 | 93 | 462 | 231 | 232 | 116 | 231 | 77 | 115 | 46 | 228 | 114 | 114 | 57 | 114 | 38 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 345 | 138 | 690 | 345 | 246 | 173 | 345 | 115 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 520 | 208 | 1036 | 518 | 520 | 260 | 231 | 173 | 260 | 104 | 518 | 259 | 260 | 130 | 258 | 86 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 345 | 138 | 690 | 345 | 246 | 173 | 345 | 115 | 173 | 69 | 346 | 173 | 174 | 87 | 174 | 58 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 520 | 208 | 1036 | 518 | 520 | 260 | 345 | 173 | 260 | 104 | 518 | 259 | 260 | 130 | 258 | 86 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | | | | | | | | | | | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

EXPANDED POLYSTYRENE SYSTEM (EPS)

“TRIANGULAR” CONFIGURATION

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/Ft ² | Absorption Area Per Bedroom** | | Additional Absorption Over 2 Person Per Bedroom** | |
|------------------------------|-------------------------|---|-------------------------------|-----|---|----|
| | | | 3-10 Inch | | 3-10 Inch | |
| | | | Ft2 | Lf | Ft2 | Lf |
| Gravel | - | - | NOT SUITABLE | | | |
| <i>Coarse Sand</i> | - | 1.2 | 62 | 31 | 30 | 15 |
| <i>Medium Sand</i> | - | 1.2 | 62 | 31 | 30 | 15 |
| <i>Fine Sand</i> | - | 0.8 | 96 | 48 | 48 | 24 |
| Loamy Sand | - | 0.8 | 96 | 48 | 48 | 24 |
| Sandy Loam | <.5 | 0.6 | 126 | 63 | 64 | 32 |
| <i>Light Loam</i> | <.5 | 0.6 | 126 | 63 | 64 | 32 |
| <i>Heavy Loam</i> | .5 – 1 | 0.45 | 168 | 84 | 84 | 42 |
| Silt Loam | <1 | 0.45 | 168 | 84 | 84 | 42 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 168 | 84 | 84 | 42 |
| <i>Light Clay Loam</i> | 1 – 1.5 | 0.30 | 250 | 125 | 126 | 63 |
| <i>Heavy Clay Loam</i> | 1.5 – 2.0 | 0.20 | 376 | 188 | 188 | 94 |
| <i>Light Silty Clay Loam</i> | 1 – 1.5 | 0.30 | 250 | 125 | 126 | 63 |
| <i>Heavy Silty Clay Loam</i> | 1.5 – 2.0 | 0.20 | 376 | 188 | 188 | 94 |
| Sandy Clay | >2.0 | - | NOT SUITABLE | | | |
| Silty Clay | >2.0 | - | NOT SUITABLE | | | |
| Clay | >2.0 | - | NOT SUITABLE | | | |

Minimum and maximum trench widths are 24 and 36 inches, respectively. The **Triangular Configuration** can only be installed in a trench.

** Bedroom is equivalent to 150 gallons per day.

CHAMBER SYSTEM

Results of Soil and Site Evaluation

| Soil Textural Class | Ribbon Lengths (Inches) | EPA Manual Application Rate GPD/ Ft ² | Absorption Area in Ft ² Per Bedroom ** | Absorption Area in Chambers Per Bedroom** | | | | | | | | Additional Absorption Area Over 2 Persons Per Bedroom** | | | | | | | |
|-----------------------|-------------------------|--|---|---|----|-----|----|----|----|-----|------|---|----|-----|----|----|----|-----|------|
| | | | | I | II | III | IV | V | VI | VII | VIII | I | II | III | IV | V | VI | VII | VIII |
| Gravel | - | - | | NOT SUITABLE | | | | | | | | | | | | | | | |
| Coarse Sand | - | 1.2 | 88 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| Medium Sand | - | 1.2 | 88 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| Fine Sand | - | 0.8 | 133 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 7 | 6 | 5 | 5 | 4 | 4 | 3 | 3 |
| Loamy Sand | - | 0.8 | 133 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 7 | 6 | 5 | 5 | 4 | 4 | 3 | 3 |
| Sandy Loam | <.5 | 0.6 | 175 | 20 | 17 | 14 | 12 | 11 | 10 | 9 | 8 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 |
| Light Loam | <.5 | 0.6 | 175 | 20 | 17 | 14 | 12 | 11 | 10 | 9 | 8 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 |
| Heavy Loam | .5 – 1 | 0.45 | 235 | 26 | 22 | 19 | 16 | 14 | 13 | 11 | 10 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |
| Silt Loam | <1 | 0.45 | 235 | 26 | 22 | 19 | 16 | 14 | 13 | 11 | 10 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |
| Sandy Clay Loam | 1 – 2 | 0.45 | 235 | 26 | 22 | 19 | 16 | 14 | 13 | 11 | 10 | 13 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |
| Light Clay Loam | 1 – 1.5 | 0.30 | 350 | 39 | 33 | 28 | 28 | 21 | 19 | 17 | 16 | 19 | 17 | 14 | 12 | 11 | 9 | 9 | 8 |
| Heavy Clay Loam | 1.5 – 2.0 | 0.20 | 525 | 58 | 50 | 40 | 35 | 32 | 28 | 26 | 23 | 29 | 25 | 20 | 17 | 16 | 14 | 13 | 12 |
| Light Silty Clay Loam | 1 – 1.5 | 0.30 | 350 | 39 | 33 | 28 | 24 | 21 | 19 | 17 | 16 | 19 | 17 | 14 | 12 | 11 | 9 | 9 | 8 |
| Heavy Silty Clay Loam | 1.5 – 2.0 | 0.20 | 525 | 58 | 50 | 40 | 35 | 32 | 28 | 26 | 23 | 29 | 25 | 20 | 17 | 16 | 14 | 13 | 12 |
| Sandy Clay | >2.0 | - | | NOT SUITABLE | | | | | | | | | | | | | | | |
| Silty Clay | >2.0 | - | | NOT SUITABLE | | | | | | | | | | | | | | | |
| Clay | >2.0 | - | | NOT SUITABLE | | | | | | | | | | | | | | | |

Minimum and maximum trench widths are 18 and 36 inches, respectively.

** Bedroom is equivalent to 150 gallons per day.

SETBACK REQUIREMENTS FROM SENSITIVE WATER

Minimum Distance from the Water Edge

| Soil Textural Class | Slope of Less Than 8 Percent | Slope of More Than 8 Percent |
|------------------------------|------------------------------|------------------------------|
| Gravel | NOT APPLICABLE | |
| <i>Coarse Sand</i> | 50 feet | 50 feet |
| <i>Medium Sand</i> | 50 feet | 50 feet |
| <i>Fine Sand</i> | 50 feet | 50 feet |
| Loamy Sand | 50 feet | 50 feet |
| Sandy Loam | 50 feet | 50 feet |
| <i>Light Loam</i> | 50 feet | 50 feet |
| <i>Heavy Loam</i> | 50 feet | 50 feet |
| Silt Loam | 50 feet | 50 feet |
| Sandy Clay Loam | 50 feet | 50 feet |
| <i>Light Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Clay Loam</i> | 50 feet | 50 feet |
| <i>Light Silty Clay Loam</i> | 50 feet | 50 feet |
| <i>Heavy Silty Clay Loam</i> | 50 feet | 50 feet |
| Sandy Clay | 50 feet | 50 feet |
| Silty Clay | 50 feet | 50 feet |
| Clay | 50 feet | 50 feet |

The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge**.

Rule 1.1.39 Fees: Soil and Site Evaluation

1. Permit/Recommendation.....\$50.00

2. FEES: Submittal Review

| | |
|--------------------------|----------|
| Design-based System | \$100.00 |
| Performance-based System | \$250.00 |

3. FEES: Final Approval

| | |
|--------------------------------|----------|
| Design-based System | \$75.00 |
| Performance-based System | \$250.00 |
| Re-Inspection (per inspection) | \$25.00 |

SOURCE: Miss Code Ann § 41-67-3

Rule 1.1.40 The fee authorized under this section shall not be assessed for any system operated by state agencies or institutions, including, without limitation, foster homes licensed by the State Department of Human Services. The fee authorized under this section shall not be charged again after payment of the initial fee for any system that has been installed in accordance with this chapter, within a period of 24 months following the date that the system was originally installed.

SOURCE: Miss Code Ann § 41-67-3

Rule 2.1.58 FEES: Manufacturer

| | |
|-------------------------------|----------|
| Certification of Registration | \$100.00 |
| Product Review | \$250.00 |

SOURCE: Miss Code Ann § 41-67-3

Rule 2.1.59 FEES: Professional Evaluator

| | |
|-----------------------|----------|
| Initial Certification | \$600.00 |
| Renewal Certification | \$500.00 |

SOURCE: Miss Code Ann § 41-67-3

Rule 2.1.60 FEES: Installer

| | |
|-----------------------|---------|
| Initial Certification | \$50.00 |
| Renewal Certification | \$50.00 |

~~SOURCE: Miss Code Ann § 41-67-3~~

~~Rule 2.1.61 FEES: Pumper~~

| | |
|-----------------------------------|------------------------------|
| Initial Certification | \$50.00 |
| Renewal Certification | \$50.00 |
| Inspection (by county) | \$25.00 / vehicle |

~~SOURCE: Miss Code Ann § 41-67-3~~

~~Rule 2.1.62 FEES: Maintenance Provider~~

| | |
|--|---------------------|
| Initial Certification (2 years) | \$400.00 |
| Renewal Certification (2 years) | \$300.00 |

~~SOURCE: Miss Code Ann § 41-67-3~~

~~Rule 2.1.63 Miscellaneous FEES~~

| | |
|---|--------------------------------|
| Examination | \$100.00 |
| Registration (Certification and CEU/PDH) | \$25.00 |
| Return Check Fee | \$50.00 |
| Late Fee | ½ Certification Fee |

~~SOURCE: Miss Code Ann § 41-67-3~~

~~Rule 2.1.64 In the discretion of the Board, a person shall be liable for a penalty equal to one and one half (1 1/2) times the amount of the fee due and payable for failure to pay the fee on or before the date due, plus any amount necessary to reimburse the cost of collection.~~

~~SOURCE: Miss Code Ann § 41-67-3~~

~~Rule 2.1.65 All fees due the Department shall be paid by check, money order, credit/debit (if available) or cash.~~

~~Rule 3.1.1. Fees: A fee shall be levied for the review of submitted proposals as follows:~~

- ~~1. The fee for review of subdivisions will be a minimum of two hundred fifty dollars (\$250.00) dollars and five dollars (\$5.00) for each lot indicated in the plat.~~
- ~~2. The fee for review of engineered projects in excess of 1500 gallons per day or systems designs to treat high strength wastes (not typical of domestic wastewater) will be two hundred fifty dollars (\$250.00) dollars.~~

3. ~~The fee for review of projects less than 1500 gallons per day, RV parks, manufactured housing parks, and commercial establishments will be a minimum of fifty dollars (\$50.00) and two dollars (\$2.00) for each lot indicated in the proposal.~~

SOURCE: Miss Code Ann § 41-67-3

CHAPTER 7. FEES

Rule 7.1 The Department shall assess fees in the amount for the following processes. In the discretion of the Board, a person shall be liable for a penalty equal to one and one-half (1-1/2) times the amount of the fee due and payable for failure to pay the fee on or before the date due, plus any amount necessary to reimburse the cost of collection. All fees due the Department shall be paid by check or money order.

SOURCE: Miss Code Ann § 41-67-3

Subchapter 1. ADMINISTRATIVE

- 8. Soil and Site Evaluation
 - b. Permit/Recommendation.....\$50.00
- 9. Existing System (Inspection).....\$50.00
- 10. Final Approval
 - d. Design-based System.....\$75.00
 - e. Performance-based System.....\$250.00
 - f. Re-inspection (per inspection).....\$25.00
- 11. Examination.....\$100.00
- 12. Registration(Certification and CEU/PDH).....\$25.00
- 13. Return Check\$50.00
- 14. Late.....1/2 certification fee

Subchapter 2. CERTIFICATION

- 5. Certified Manufacturer
 - c. Product Review.....\$250.00
 - d. Certification of Registration.....\$100.00
- 6. Certified Professional Evaluator
 - c. Initial Certification.....\$600.00
 - d. Renewal Certification.....\$500.00
- 7. Certified Installer
 - c. Initial Certification.....\$50.00
 - d. Renewal Certification.....\$50.00

- 8. Certified Pumper
 - d. Initial Certification.....\$50.00
 - e. Inspection (by county).....\$25.00/Vehicle
 - f. Renewal Certification.....\$50.00

Subchapter 3. REVIEW

- 5. Subdivision\$250.00 + \$5.00/lot
- 6. Commercial Development.....\$50.00 + \$2.00/lot
- 7. Commercial Establishment.....\$50.00
- 8. Submittal (PE or CPE)
 - e. Design-based System.....\$100.00
 - f. Performance-based System.....\$250.00
 - g. 1500 gpd or more.....\$250.00
 - h. High strength wastes streams.....\$250.00

SOURCE: Miss Code Ann § 41-67-3

Rule 7.2 Fees authorized under this section shall not be assessed for any system operated by state agencies or institutions, including, without limitation, foster homes licensed by the State Department of Human Services. The fee authorized under this section shall not be charged again after payment of the initial fee for any system that has been installed in accordance with this chapter, within a period of 24 months following the date that the system was originally installed.

SOURCE: Miss Code Ann § 41-67-3