

SUBCHAPTER A: GENERAL PROVISIONS
§§285.1 - 285.8
Effective September 11, 2008

§285.1. Purpose and Applicability.

(a) Purpose. The purpose of this chapter is to provide a comprehensive regulatory program for the management of on-site sewage facilities (OSSFs), as prescribed by the Texas Health and Safety Code, Chapter 366. This chapter establishes minimum standards for planning materials, construction, installation, alteration, repair, extension, operation, maintenance, permitting, and inspection of OSSFs. This chapter also provides the procedures for the designation of local governmental entities as authorized agents. The licensing of installers, designated representatives, and site evaluators and the registration of apprentices is included in Chapter 30 of this title (relating to Occupational Licenses and Registrations). Unauthorized discharge of effluent into or adjacent to the waters in the state is prohibited.

(b) Applicability. This chapter applies to:

- (1) any person who has an ownership interest in an OSSF; or
- (2) any person who participates in any activity relating to the development of planning materials, construction, installation, alteration, repair, extension, operation, maintenance, permitting, inspection, or investigation of an OSSF; or
- (3) any governmental entity that is, desires to be, or was, designated as an authorized agent.

Adopted November 20, 2001

Effective December 17, 2001

§285.2. Definitions.

The following words and terms in this section are in addition to the definitions in Chapter 3 and Chapter 30 of this title (relating to Definitions and Occupational Licenses and Registrations). The words and terms in this section, when used in this chapter, have the following meanings.

- (1) Aerobic digestion--The bacterial decomposition and stabilization of sewage in the presence of free oxygen.
- (2) Alter--To change an on-site sewage facility resulting in:
 - (A) an increase in the volume of permitted flow;
 - (B) a change in the nature of permitted influent;
 - (C) a change from the planning materials approved by the permitting authority;
 - (D) a change in construction; or

(E) an increase, lengthening, or expansion of the treatment or disposal system.

(3) Anaerobic digestion--The bacterial decomposition and stabilization of sewage in the absence of free oxygen.

(4) Apprentice--An individual who has been properly registered with the executive director according to Chapter 30 of this title (relating to Occupational Licenses and Registrations), and is undertaking a training program under the direct supervision of a licensed installer.

(5) Authorization to construct--Written permission from the permitting authority to construct an on-site sewage facility showing the date the permission was granted. The authorization to construct is the first part of the permit.

(6) Authorized agent--A local governmental entity that has been delegated the authority by the executive director to implement and enforce the rules adopted under Texas Health and Safety Code, Chapter 366.

(7) Borehole--A drilled hole four feet or greater in depth and one to three feet in diameter.

(8) Certified professional soil scientist--An individual who has met the certification requirements of the American Society of Agronomy to engage in the practice of soil science.

(9) Cesspool--A non-watertight, covered receptacle intended for the receipt and partial treatment of sewage. This device is constructed such that its sidewalls and bottom are open-jointed to allow the gradual discharge of liquids while retaining the solids for anaerobic decomposition.

(10) Cluster system-- A sewage collection, treatment, and disposal system designed to serve two or more sewage-generating units on separate legal tracts where the total combined flow from all units does not exceed 5,000 gallons per day.

(11) Commercial or institutional facility--Any building that is not used as a single-family dwelling or duplex.

(12) Compensation--A payment to construct, alter, repair, extend, maintain, or install an on-site sewage facility. Payment may be in the form of cash, check, charge, or other form of monetary exchange or exchange of property or services for service rendered.

(13) Composting toilet--A self-contained treatment and disposal facility constructed to decompose non-waterborne human wastes through bacterial action.

(14) Condensate drain--A pipe that is used for the disposal of water generated by air conditioners, refrigeration equipment, or other equipment.

(15) Construct--To engage in any activity related to the installation, alteration, extension, or repair of an on-site sewage facility (OSSF), including all activities from disturbing the soils through connecting the system to the building or property served by the OSSF. Activities relating to a site evaluation are not considered construction.

(16) Delegate--The executive director's act of assigning authority to implement the on-site sewage facility program under this chapter.

(17) Designated representative--An individual who holds a valid license issued by the executive director according to Chapter 30 of this title (relating to Occupational Licenses and Registrations), and who is designated by the authorized agent to review permit applications, site evaluations, or planning materials, or conduct inspections on on-site sewage facilities.

(18) Direct communication--The demonstrated ability of an installer and the apprentice to communicate immediately with each other in person, by telephone, or by radio.

(19) Direct supervision--The responsibility of an installer to oversee, direct, and approve all actions of an apprentice relating to the construction of an on-site sewage facility, or the responsibility of a maintenance provider to oversee, direct, and approve all actions of a maintenance technician relating to the maintenance of an on-site sewage facility.

(20) Discharge--To deposit, conduct, drain, emit, throw, run, allow to seep, or otherwise release or dispose of, or to allow, permit, or suffer any of these acts or omissions.

(21) Edwards Aquifer--That portion of an arcuate belt of porous, waterbearing predominantly carbonate rocks (limestones) known as the Edwards (Balcones Fault Zone) Aquifer trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Group, and Georgetown Formation, or as amended under Chapter 213 of this title (relating to Edwards Aquifer). The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

(22) Edwards Aquifer Recharge Zone--That area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as a geographic area delineated on official maps located in the agency's central office and in the appropriate regional office, or as amended by Chapter 213 of this title (relating to Edwards Aquifer).

(23) Extend--To alter an on-site sewage facility resulting in an increase in capacity, lengthening, or expansion of the existing treatment or disposal system.

(24) Floodplain (100-year)--Any area susceptible to inundation by flood waters from any source and subject to the statistical 100-year flood (has a 1% chance of flooding each year).

(25) Floodway--The channel of a watercourse and the adjacent land areas (within a portion of the 100-year floodplain) that must be reserved in order to discharge the 100-year flood without cumulatively increasing the water surface elevation more than one foot above the 100-year flood elevation before encroachment into the 100-year floodplain.

(26) Geotextile filter fabric--A non-woven fabric suitable for wastewater applications.

(27) Gravel-less drainfield pipe--An eight-inch or ten-inch diameter geotextile fabric-wrapped piping product without gravel or media.

(28) Grease interceptor--Floatation chambers where grease floats to the water surface and is retained while the clearer water underneath is discharged.

(29) Groundwater--Subsurface water occurring in soils and geologic formations that are fully saturated either year-round or on a seasonal or intermittent basis.

(30) Holding tank--A watertight container equipped with a high-level alarm used to receive and store sewage pending its delivery to an approved treatment process.

(31) Individual--A single living human being.

(32) Install--To put in place or construct any portion of an on-site sewage facility.

(33) Installer--An individual who is compensated by another to construct an on-site sewage facility.

(34) Local governmental entity--A municipality, county, river authority, or special district, including groundwater conservation districts, soil and water conservation districts, and public health districts.

(35) Maintenance--Required or routine performance checks, examinations, upkeep, cleaning, or mechanical adjustments to an on-site sewage facility, including replacement of pumps, filters, aerator lines, valves, or electrical components. Maintenance does not include alterations.

(36) Maintenance findings--The results of a required performance check or component examination on a specific on-site sewage facility.

(37) Maintenance provider--An individual who maintains on-site sewage facilities for compensation. Through August 31, 2009, a maintenance company is a person or business that maintains on-site sewage facilities for compensation.

(38) Maintenance technician--An individual who holds a valid registration issued by the executive director to maintain on-site sewage facilities and works under a maintenance provider.

(39) Malfunctioning OSSF--An on-site sewage facility that is causing a nuisance or is not operating in compliance with this chapter.

(40) Manufactured housing community--Any area developed or used for lease or rental of space for two or more manufactured homes.

(41) Multi-unit residential development--Any area developed or used for a structure or combination of structures designed to lease or rent space to house two or more families.

(42) Notice of approval--Written permission from the permitting authority to operate an on-site sewage facility. The notice of approval is the final part of the permit.

(43) Nuisance--

(A) sewage, human excreta, or other organic waste discharged or exposed in a manner that makes it a potential instrument or medium in the transmission of disease to or between persons;

(B) an overflow from a septic tank or similar device, including surface discharge from or groundwater contamination by a component of an on-site sewage facility; or

(C) a blatant discharge from an OSSF.

(44) On-site sewage disposal system--One or more systems that:

(A) do not treat or dispose of more than 5,000 gallons of sewage each day; and

(B) are used only for disposal of sewage produced on a site where any part of the system is located.

(45) On-site sewage facility (OSSF)--An on-site sewage disposal system.

(46) On-site waste disposal order--An order, ordinance, or resolution adopted by a local governmental entity and approved by the executive director.

(47) Operate--To use an on-site sewage facility.

(48) Owner--A person who owns property served by an on-site sewage facility (OSSF), or a person who owns an OSSF. This includes any person who holds legal possession or ownership of a total or partial interest in the structure or property served by an OSSF.

(49) Owner's agent--An installer, professional sanitarian, or professional engineer who is authorized to submit the permit application and the planning materials to the permitting authority on behalf of the owner.

(50) Permit--An authorization, issued by the permitting authority, to construct or operate an on-site sewage facility. The permit consists of the authorization to construct (including the approved planning materials) and the notice of approval.

(51) Permitting authority--The executive director or an authorized agent.

(52) Planning material--Plans, applications, site evaluations, and other supporting materials submitted to the permitting authority for the purpose of obtaining a permit.

(53) Platted--The subdivision of property which has been recorded with a county or municipality in an official plat record.

(54) Pretreatment tank--A tank placed ahead of a treatment unit that functions as an interceptor for materials such as plastics, clothing, hair, and grease that are potentially harmful to treatment unit components.

(55) Professional engineer--An individual licensed by the Texas Board of Professional Engineers to engage in the practice of engineering in the State of Texas.

(56) Professional sanitarian--An individual registered by the Texas Department of State Health Services to carry out educational and inspection duties in the field of sanitation in the State of Texas.

(57) Proprietary system--An on-site sewage facility treatment or disposal system that is produced or marketed under exclusive legal right of the manufacturer or designer or for which a patent, trade name, trademark, or copyright is used by a person or company.

(58) Recharge feature--Permeable geologic or manmade feature located on the Edwards Aquifer Recharge Zone where:

(A) a potential for hydraulic interconnectedness between the surface and the aquifer exists; and

(B) rapid infiltration from the on-site sewage facility to the subsurface may occur.

(59) Recreational vehicle park--A single tract of land that has rental spaces for two or more vehicles that are intended for recreational use only and has a combined wastewater flow of less than 5,000 gallons per day.

(60) Regional office--A regional office of the agency.

(61) Repair--To replace any components of an on-site sewage facility (OSSF) in situations not included under emergency repairs according to §285.35 of this title (relating to Emergency Repairs), excluding maintenance. The replacement of tanks or drainfields is considered a repair and requires a permit for the entire OSSF system.

(62) Scum--A mass of organic or inorganic matter which floats on the surface of sewage.

(63) Secondary treatment--The process of reducing pollutants to the levels specified in Chapter 309 of this title (relating to Domestic Wastewater Effluent Limitation and Plant Siting).

(64) Seepage pit--An unlined covered excavation in the ground which operates in essentially the same manner as a cesspool.

(65) Septic tank--A watertight covered receptacle constructed to receive, store, and treat sewage by: separating solids from the liquid; digesting organic matter under anaerobic conditions; storing the digested solids through a period of detention; and allowing the clarified liquid to be disposed of by a method approved under this chapter.

(66) Sewage--Waste that:

(A) is primarily organic and biodegradable or decomposable; and

(B) originates as human, animal, or plant waste from certain activities, including the use of toilet facilities, washing, bathing, and preparing food.

(67) Single family dwelling--A structure that is either built on or brought to a site, for use as a residence for one family. A single family dwelling includes all detached buildings located on the residential property and routinely used only by members of the household of the single family dwelling.

(68) Site evaluator--An individual who holds a valid license issued by the executive director according to Chapter 30 of this title (relating to Occupational Licenses and Registrations) and who conducts preconstruction site evaluations, including visiting a site and performing soil analysis, a site survey, or other activities necessary to determine the suitability of a site for an on-site sewage facility. A professional engineer may perform site evaluations without obtaining a site evaluator license.

(69) Sludge--A semi-liquid mass of partially decomposed organic and inorganic matter which settles at or near the bottom of a receptacle containing sewage.

(70) Soil--The upper layer of the surface of the earth that serves as a natural medium for the growth of plants.

(71) Soil absorption system--A subsurface method for the treatment and disposal of sewage which relies on the soil's ability to treat and absorb moisture and allow its dispersal by lateral and vertical movement through and between individual soil particles.

(72) Subdivision--A division of a tract of land, regardless of whether it is made by using a metes and bounds description in a deed of conveyance or in a contract for a deed, by using a contract of sale or other executory contract to convey, or by using any other method.

(73) Testing and reporting--Routine inspection, sampling and performance checks performed by the maintenance provider or maintenance technician and the submittal of findings to the OSSF owner and the permitting authority. Testing and reporting does not include repair or replacement of parts.

(74) Well--A water well, injection well, dewatering well, monitoring well, piezometer well, observation well, or recovery well as defined under Texas Water Code, Chapters 26, 32, and 33, and 16 TAC Chapter 76 (relating to Water Well Drillers and Water Well Pump Installers).

Adopted August 20, 2008

Effective September 11, 2008

§285.3. General Requirements.

(a) Permit required. A person shall hold a permit for an OSSF unless the OSSF meets one of the exceptions in subsection (f) of this section.

(1) All aspects of the permitting, planning, construction, operation, and maintenance of OSSFs shall be conducted according to this chapter, or according to an order, ordinance, or resolution of an authorized agent.

(2) The executive director is the permitting authority unless a local governmental entity has an OSSF order, ordinance, or resolution approved by the executive director. In areas where the executive director is the permitting authority, the staff from the appropriate regional office shall be responsible for the proper implementation of this chapter.

(3) Permits shall be transferred to a new owner automatically upon sale or other legal transfer of an OSSF.

(4) Conditioning of Permits. The permitting authority may require conditions to a permit in order to ensure that the permitted OSSF system will operate in accordance with the planning materials and system approval. Failure to comply with these conditions is a violation of the permit and this chapter. Any violation of a condition of a permit that would be considered an alteration as defined in §285.2(2) of this title (relating to Definitions) would require a new permit.

(b) General Application Requirements.

(1) The owner or owner's agent must obtain an authorization to construct from the permitting authority before construction may begin on an OSSF. Before an authorization to construct can be issued, the permitting authority shall require submittal of the following from the owner or owner's agent:

(A) an application, on the form provided by the permitting authority;

(B) all planning materials, according to §285.5 of this title (relating to Submittal Requirements for Planning Materials);

(C) the results of a site evaluation, conducted according to §285.30 of this title (relating to Site Evaluation); and

(D) the appropriate fee.

(2) Variance requests shall be submitted with the application and shall be reviewed by the permitting authority according to subsection (h) of this section.

(3) Before the permitting authority issues an authorization to construct, the owner of OSSFs identified in §285.91(12) of this title (relating to Tables) or the owner's agent, must record an affidavit in the county deed records of the county or counties where the OSSF is located. Additionally, the owner or the owner's agent must submit, to the permitting authority, an affidavit affirming the recording. An example of the affidavit is located in §285.90(2) of this title (relating to Figures). The affidavit must include:

(A) the owner's full name;

(B) the legal description of the property;

(C) that an OSSF requiring continuous maintenance is located on the property;

(D) that the permit for the OSSF is transferred to the new owner upon transfer of the property; and

(E) that at any time after the initial two-year service policy, the owner of an aerobic treatment system for a single family residence shall either obtain a maintenance contract within 30 days of the transfer or maintain the system personally.

(c) Action on Applications. The permitting authority shall either approve or deny an application within 30 days of receiving an application. If the application and planning materials are approved, the permitting authority shall issue an authorization to construct. If the application and planning materials are denied, the permitting authority shall explain the reasons for the denial in writing to the owner, and the owner's agent.

(d) Construction and Inspection.

(1) An authorization to construct is valid for one calendar year from the date of its issuance. If the installer does not request a construction inspection by the permitting authority within one year of the issuance of the authorization to construct, the authorization to construct expires, and the owner will be required to submit a new application and application fee before an OSSF can be installed. A new application and application fee are not required if the owner decides not to install an OSSF.

(2) The installer shall notify the permitting authority at least five working days (Monday through Friday, excluding holidays) before the date the OSSF will be ready for inspection.

(3) The permitting authority shall conduct a construction inspection.

(4) If the OSSF does not pass the construction inspection, the permitting authority shall:

(A) at the close of the inspection, advise the owner and the owner's agent, if present, of the deficiencies identified and that the OSSF cannot be used until it passes inspection; and

(B) within seven calendar days after the inspection, issue a letter to the owner and the owner's agent listing the deficiencies identified and stating that the OSSF cannot be used until it passes inspection.

(5) If a reinspection is necessary, a reinspection fee may be assessed by the permitting authority.

(6) The reinspection fee must be paid before the reinspection is conducted.

(e) Notice of Approval.

(1) Within seven calendar days after the OSSF has passed the construction inspection, the permitting authority shall issue, to the owner or owner's agent, a written notice of approval for the OSSF.

(2) The notice of approval shall have a unique identification number, and shall be issued in the name of the owner.

(f) Exceptions.

(1) An owner of an OSSF will not be required to comply with the permitting, operation, and installation requirements of this chapter if the OSSF is not creating a nuisance and:

(A) the OSSF was installed before September 1, 1989, provided the system has not been altered, and is not in need of repair;

(B) the OSSF was installed before the effective date of the order, ordinance, or resolution in areas where the local governmental entity had an approved order, ordinance, or resolution dated before September 1, 1989, provided the system has not been altered and is not in need of repair; or

(C) the owner received authorization to construct from a permitting authority before the effective date of this chapter.

(2) No planning materials, permit, or inspection are required for an OSSF for a single family dwelling located on a tract of land that is ten acres or larger and:

(A) the OSSF is not causing a nuisance or polluting groundwater;

(B) all parts of the OSSF are at least 100 feet from the property line;

(C) the effluent is disposed of on the property; and

(D) the single family dwelling is the only dwelling located on that tract of land.

(3) Connecting recreational vehicles or manufactured homes to rental spaces is not considered construction if the existing OSSF system is not altered.

(g) Exclusions. The following systems are not authorized by this subchapter and may require a permit under Chapter 205 or Chapter 305 of this title (relating to General Permits for Waste Discharges or Consolidated Permits, respectively):

(1) one or more systems that cumulatively treat and dispose of more than 5,000 gallons of sewage per day on one piece of property;

(2) any system that accepts waste that is either municipal, agricultural, industrial, or other waste as defined in Texas Water Code, Chapter 26;

(3) any system that will discharge into or adjacent to waters in the state; or

(4) any new cluster systems.

(h) Variances. Requests for variances from provisions of this chapter may be considered by the appropriate permitting authority on a case-by-case basis.

(1) A variance may be granted if the owner, or a professional sanitarian or professional engineer representing the owner, demonstrates to the satisfaction of the permitting authority that conditions are such that equivalent or greater protection of the public health and the environment can be provided by alternate means. Variances for separation distances shall not be granted unless the provisions of this chapter cannot be met.

(2) Any request for a variance under this subsection must contain planning materials prepared by either a professional sanitarian or a professional engineer (with appropriate seal, date, and signature).

(i) Unauthorized systems. Boreholes, cesspools, and seepage pits are prohibited for installation or use. Boreholes, cesspools, and seepage pits that treat or dispose of less than 5,000 gallons of sewage per day shall be closed according to §285.36 of this title (relating to Abandoned Tanks, Boreholes, Cesspools, and Seepage Pits). Boreholes, cesspools, and seepage pits that exceed 5,000 gallons of sewage per day must be closed as a Class V injection well under Chapter 331 of this title (relating to Underground Injection Control).

Adopted August 20, 2008

Effective September 11, 2008

§285.4. Facility Planning.

(a) Land planning and site evaluation. Property that will use an OSSF for sewage disposal shall be evaluated for overall site suitability. For property located on the Edwards Aquifer recharge zone, see

§285.40 of this title (relating to OSSFs on the Recharge Zone of the Edwards Aquifer) for additional requirements. The following requirements apply to all sites where an OSSF may be located.

(1) Residential lot sizing.

(A) Platted or unplatted subdivisions served by a public water supply.

Subdivisions of single family dwellings platted or created after the effective date of this section, served by a public water supply and using individual OSSFs for sewage disposal, shall have lots of at least 1/2 acre.

(B) Platted or unplatted subdivisions not served by a public water supply.

Subdivisions of single family dwellings platted or created after the effective date of this section, not served by a public water supply and using individual OSSFs, shall have lots of at least one acre.

(2) Manufactured housing communities or multi-unit residential developments. The

owners of manufactured housing communities or multi-unit residential developments that are served by an OSSF and rent or lease space shall submit a sewage disposal plan to the permitting authority for approval. The total anticipated sewage flow for the individual tract of land shall not exceed 5,000 gallons per day. The plan shall be prepared by a professional engineer or professional sanitarian. This plan is in addition to the requirements of subsection (c) of this section.

(b) Approval of OSSF systems on existing small lots or tracts.

(1) Existing small lots or tracts that do not meet the minimum lot size requirements under

subsection (a)(1)(A) or (B) of this section, and were either subdivided before January 1, 1988, or had a site-specific sewage disposal plan approved between January 1, 1988, and the effective date of this section, are allowed to use OSSFs, but the OSSFs must comply with the requirements set forth in this Chapter.

(2) The owner of a single family dwelling on an existing small lot or tract (property 1) may transport the wastewater from the dwelling to an OSSF at another location (property 2) provided that:

(A) both properties (properties 1 and 2) are owned by the same person;

(B) the owner or owner's agent demonstrates that no OSSF authorized under these rules can be installed on the property which contains the single-family dwelling (property 1);

(C) if property not owned by the owner of properties 1 and 2 must be crossed in transporting the sewage, the application includes all right-of-ways and permanent easements needed for the sewage conveyance lines; and

(D) the application includes an affidavit indicating that the owner or the owner's agent recorded the information required by §285.3(b)(3) on the real property deeds of both properties (properties 1 and 2). The deed recording shall state that the properties cannot be sold separately.

(c) Review of subdivision or development plans. Persons proposing residential subdivisions, manufactured housing communities, multi-unit residential developments, business parks, or other similar structures that use OSSFs for sewage disposal shall submit planning materials for these developments to the permitting authority and receive approval prior to submitting an OSSF application.

(1) The planning materials must be prepared by a professional engineer or professional sanitarian and must include:

- (A) an overall site plan;
- (B) a topographic map;
- (C) a 100-year floodplain map;
- (D) a soil survey;
- (E) the locations of water wells;
- (F) the locations of easements, as identified in §285.91(10) of this title (relating to Tables);
- (G) a comprehensive drainage plan;
- (H) a complete report detailing the types of OSSFs to be considered and their compatibility with area-wide drainage and groundwater; and
- (I) other requirements, including Edwards Aquifer requirements that are pertinent to the proposed OSSF.

(2) If the proposed development includes restaurants or buildings with food service establishments, the planning materials must show adequate land area for doubling the land needed for the treatment units. The designer may consider increasing the amount of land area for the treatment units beyond doubling the minimum required area.

(3) The permitting authority will either approve or deny the planning materials, in writing, within 45 days of receipt.

Adopted August 20, 2008

Effective September 11, 2008

§285.5. Submittal Requirements for Planning Materials.

(a) Submittal of planning material. Planning materials required under this chapter shall be submitted by the owner, or owner's agent, to the permitting authority for review and approval according to this section. All planning materials shall comply with this chapter and shall be submitted according to §285.91(9) of this title (relating to Tables). A legal description of the property where an on-site sewage facility (OSSF) is to be installed must be included with the permit application. Additionally, a scale

drawing of the OSSF, all structures served by the OSSF, and all items specified in §285.30(b) of this title (relating to Site Evaluation) and §285.91(10) of this title must be included with the permit application.

(1) Planning materials prepared by an owner or installer. Either the owner or installer may prepare the planning materials for any proposed OSSF not requiring the preparation of plans according to paragraphs (2) or (3) of this subsection.

(2) Planning materials prepared by a professional engineer or professional sanitarian. OSSF planning materials shall be prepared by a professional engineer or professional sanitarian (with appropriate seal, date, and signature) as follows, unless otherwise specified in this chapter:

(A) any proposals for treatment or disposal that are not standard as described in Subchapter D of this chapter (relating to Planning, Construction, and Installation Standards for OSSFs) unless otherwise specified under §285.91(9) of this title;

(B) any proposal for an OSSF to serve manufactured housing communities, recreational vehicle parks, or multi-unit residential developments where spaces are rented or leased;

(C) all subdivision and development plans as required in §285.4(c) of this title (relating to Facility Planning); or

(D) a proposal for multiple treatment and disposal systems on large tracts of land.

(3) Planning materials prepared by a professional engineer. OSSF planning materials shall be prepared by a professional engineer (with appropriate seal, date, and signature) as follows, unless otherwise specified in this chapter:

(A) all proposals for non-standard treatment systems that require secondary treatment as detailed in Subchapter D of this chapter; or

(B) verifications that precast concrete septic tanks conform to the requirements of §285.32(b)(1)(E)(i) of this title (relating to Criteria for Sewage Treatment Systems); or

(C) designs demonstrating that the requirements of §285.31(c)(2) of this title (relating to Selection Criteria for Treatment and Disposal Systems) related to the regulated floodway have been met.

(b) Review of planning materials.

(1) Standard planning materials. All planning materials for standard treatment or disposal systems shall be reviewed by the permitting authority.

(2) Non-standard planning materials. The executive director shall review and respond to initial plans for all non-standard planning material for any system described in §285.32(d) and §285.33(d)(6) of this title within ten calendar days of receipt of the planning materials. After favorable review by the executive director, the same non-standard system planning materials may be reviewed and

approved by the authorized agent for different locations, provided the same site conditions exist for which the planning materials were developed.

(3) Proprietary planning materials. Planning materials for proprietary treatment or disposal systems, as described in §285.32(c) or §285.33(c) of this title, shall be submitted to the executive director for review. The systems and the testing protocol shall be approved by the executive director before the systems can be installed in the state.

Adopted August 20, 2008

Effective September 11, 2008

§285.6. Cluster Systems.

(a) Cluster systems are not authorized under this chapter after the effective date of these rules. Cluster systems may be authorized under other chapters of this title including Chapter 331 of this title (relating to Underground Injection Control).

(b) Existing cluster systems may not be repaired, altered, or extended under this chapter and may require authorization under other chapters of this title including Chapter 331 of this title when the system is malfunctioning or expanded.

Adopted May 23, 2001

Effective June 13, 2001

§285.7. Maintenance Requirements.

(a) Maintenance contract requirements. Maintenance contract requirements for all on-site sewage facilities (OSSFs) are identified in §285.91(12) of this title (relating to Tables). The permit holder shall ensure that the OSSF is properly operated and maintained in accordance with this chapter. Homeowners who maintain their own systems are exempt from contract requirements, as provided in subsection (d)(4) of this section.

(b) Maintenance provider.

(1) Effective September 1, 2009, in order to perform maintenance on an OSSF, an individual must either be licensed by the TCEQ as a maintenance provider or registered by the TCEQ as a maintenance technician and employed by a licensed maintenance provider. Prior to September 1, 2009, in order to perform maintenance on an OSSF, an individual must be registered by the TCEQ as a maintenance provider.

(2) Effective September 1, 2009, the maintenance provider will be responsible for fulfilling the requirements of the maintenance contract. The maintenance provider will be responsible for the work performed by registered maintenance technicians under their direct supervision. Prior to September 1, 2009, the maintenance company will be responsible for fulfilling the requirements of the maintenance contract.

(3) Effective September 1, 2009, the maintenance provider must sign all maintenance reports.

(c) Initial Two-Year Service Policy. The initial two-year service policy shall be effective for two years from the date the OSSF is first used. For a new single family dwelling, this date is the date of sale by the builder. For an existing single family dwelling this date is the date the notice of approval is issued by the permitting authority. The owner, or owner's agent shall provide the permitting authority with a copy of the signed initial two-year service policy before the system is approved for use. The initial service policy shall meet the minimum guidelines for maintenance contracts, as described in §285.7(d)(1)(A) - (E) and the individual fulfilling the service policy shall be a maintenance provider or a maintenance technician working under the supervision of a maintenance provider.

(d) Maintenance contracts. OSSFs required to have maintenance contracts are identified in §285.91(12) of this title.

(1) Contract provisions. The OSSF maintenance contract shall, at a minimum:

(A) list items that are covered by the contract;

(B) specify a time frame in which the maintenance provider or maintenance technician will visit the property in response to a complaint by the property owner regarding the operation of the system;

(C) specify the name of the maintenance provider who is responsible for fulfilling the terms of the maintenance contract;

(D) identify the frequency of routine maintenance and the frequency of the required testing and reporting;

(E) identify who is responsible for maintaining the disinfection unit; and

(F) indicate the business physical address and telephone number for the maintenance provider.

(2) Contract submittals. Unless the owner maintains the system, as excepted by paragraph (4) of this subsection, a copy of the signed maintenance contract shall be provided by the owner to the permitting authority 30 days before the expiration of the initial two-year service policy. For the time period after the initial two-year service policy, the owner is required to have a new maintenance contract signed and submitted to the permitting authority at least 30 days before the contract expires unless the owner maintains the system, as excepted by paragraph (4) of this subsection.

(3) Amendments or terminations.

(A) Effective September 1, 2009, if the maintenance provider discontinues the maintenance contract, the maintenance provider shall notify, in writing, the permitting authority, the manufacturer, and the owner at least 30 days before the date service will cease. Prior to September 1, 2009, if the maintenance company discontinues the maintenance contract, the maintenance company shall

notify, in writing, the permitting authority, the manufacturer, and the owner at least 30 days before the date service will cease.

(B) Effective September 1, 2009, if the owner discontinues the maintenance contract, the maintenance provider shall notify, in writing, the permitting authority and the manufacturer at least 30 days before the date service will cease. Prior to September 1, 2009, if the owner discontinues the maintenance contract, the maintenance company shall notify, in writing, the permitting authority and the manufacturer at least 30 days before the date service will cease.

(C) Effective September 1, 2009, if a maintenance contract is discontinued or terminated, the owner shall contract with another maintenance provider and provide the permitting authority with a copy of the new signed maintenance contract no later than 30 days after termination, unless the owner meets the requirements of paragraph (4) of this subsection. Prior to September 1, 2009, if a maintenance contract is discontinued or terminated, the owner shall contract with another maintenance company and provide the permitting authority with a copy of the new signed maintenance contract no later than 30 days after termination, unless the owner meets the requirements of paragraph (4) of this subsection.

(4) Exceptions to maintenance contract. At the end of the initial two-year service policy, the owner of an OSSF for a single family residence shall either maintain the system personally or obtain a new maintenance contract.

(A) If the residence is sold before the end of the initial two-year service policy period, the terms of the initial service policy will apply to the new owner.

(B) An owner may not maintain an OSSF under the provisions of this section for commercial, speculative residential, or multifamily property.

(e) Testing and reporting. OSSFs that must be tested are identified in §285.91(12) of this title.

(1) Effective September 1, 2009, the maintenance provider shall test and report for each system as required in §285.91(12) of this title. Prior to September 1, 2009, the maintenance company shall test and report for each system as required in §285.91(12) of this title. The report must:

(A) include any responses to owner complaints; the results of the maintenance provider's findings as described in §285.90(3) of this title (relating to Figures) and the test results as required in §285.91(4) of this title, including procedures for the maintenance of the unit approved by the executive director; and

(B) be submitted to the permitting authority and the owner within 14 days after the date the test is performed.

(2) To provide the owner with a record of the maintenance check, the maintenance provider shall install a weather resistant tag, or some other form of weather resistant identification, on the system at the beginning of each maintenance contract. This identification shall:

(A) identify the maintenance provider;

(B) list the telephone number of the maintenance provider;

(C) specify the start date of the contract; and

(D) be either punched or indelibly marked with the date the system was checked at the time of each maintenance check, including any maintenance check in response to owner complaints.

(3) The number of required tests may be reduced to two per year for all systems having electronic monitoring and automatic telephone or radio access that will notify the maintenance provider of system or components failure and will monitor the amount of disinfection in the system. The maintenance provider shall be responsible for ensuring that the electronic monitoring and automatic telephone or radio access systems are working properly.

(4) The owner of an OSSF for a single family residence who elects to maintain their unit through the exemption described in subsection (d)(4) of this section is not subject to testing and reporting requirements.

(f) Replacement parts. The manufacturer of the installed on-site aerobic system shall make available to the homeowner all replacement parts for that aerobic system to any homeowner who elects to maintain the on-site aerobic system as identified in subsection (d)(4) of this section. The manufacturer shall also make replacement parts available to installers and maintenance providers. Failure to do so may result in removal of the manufacturer's product(s) from the list of approved systems.

(g) Inspections by authorized agents or commission. An authorized agent or the commission may inspect an on-site sewage system using aerobic treatment at any time.

Adopted August 20, 2008

Effective September 11, 2008

§285.8. Multiple On-Site Sewage Facility (OSSF) Systems on One Large Tract of Land.

(a) The executive director may authorize the permitting authority to issue a permit for multiple treatment and disposal systems on a tract of land as an OSSF, instead of as a municipal wastewater treatment facility, if:

(1) the systems are located on a tract of land of 100 acres or more;

(2) the systems are used:

(A) on a seasonal or intermittent basis, which means any combination of weekends (Friday through Sunday) plus 60 weekdays (Monday through Thursday) or less during a calendar year; and

(B) the remainder of the year by employees, voluntary staff, or contractors performing work-related duties on the tract of land.

(3) the anticipated combined flow, calculated using either actual water use data or the data from §285.91(3) of this title (relating to Tables), from all systems is less than 5,000 gallons per day (gpd) on an annual average basis (the arithmetic average of all daily flows from the preceding 12 consecutive calendar months);

(4) the peak flow, calculated using either actual water use data or the data from §285.91(3) of this title, for each individual system is less than 5,000 gpd; and

(5) the systems are used only for disposal of sewage produced on the tract of land where the systems are located.

(b) To obtain an OSSF permit for multiple treatment and disposal systems, the owner or owner's agent must submit the following to the permitting authority:

(1) an application on the form provided by the permitting authority;

(2) all planning materials according to §285.5(a)(2) of this title (relating to Submittal Requirements for Planning Materials). The planning materials must include details on all existing systems, as well as any proposed new systems;

(3) the results of a site evaluation, conducted according to §285.30 of this title (relating to Site Evaluation);

(4) the location, types of systems, size of systems, and if permitted, information from the permit for all existing systems; and

(5) the appropriate fee.

(c) The permitting authority must submit the items listed in subsection (b) of this section to the executive director within five working days after receipt. The executive director shall review the materials submitted and shall determine if the systems may be permitted as an OSSF, the systems do not meet the requirements of this section, or the application is incomplete. The executive director shall provide the determination in writing to the owner or the owner's agent, and to the permitting authority, within 30 working days after receipt of the materials listed in subsection (b) of this section from the permitting authority.

(d) Executive director determination.

(1) If the executive director determines that the systems may be permitted as an OSSF, the permitting authority shall issue an authorization to construct for all new systems and a permit for existing systems. If the permitting authority issues an authorization to construct, all steps in §285.3(d) and (e) of this title (relating to General Requirements) must be followed before the system receives a notice of approval.

(2) If the executive director determines that the systems do not meet the requirements of this section, the owner may be required to submit an application for either a permit under Chapters 205 or 305 of this title (relating to General Permits for Waste Discharges or Consolidated Permits, respectively).

(e) In order to receive a notice of approval, all systems on the property, including the existing systems, must meet the requirements of this chapter.

(f) The owner shall submit a report of the actual flow data to both the permitting authority and the executive director once a year in the month following the anniversary month of the receipt of the notice of approval. The reported flows shall be based on sewage flows measured by a totalizing meter installed at each individual system, water usage for the facilities served by the individual systems, or by other means approved by the executive director. The flows shall be recorded in a table by calendar month. The table shall give a continuous average of flows.

(g) If, as a result of the submittal of the reports required in subsection (f) of this section, the executive director and the authorized agent determine that the systems no longer meet the requirements of this section, the owner shall either bring the systems into compliance with this section or submit an application for a permit under Chapter 205 or Chapter 305 of this title.

Adopted August 20, 2008

Effective September 11, 2008