

Bold – changes from current rule.

Underlined – changes from second hearing

- 410 IAC 6-8.3-8.2 was updated to say
“Construction, repair or replacement” means either:
(1) repair or replacement of a residential on-site sewage system for an existing home or residential outbuilding; or
(2) rebuilding or remodeling an existing home or residential outbuilding without an increase in the design daily flow of the project.
In accordance with this rule, the best judgment of the local health department may be used, when necessary and appropriate, for the repair or replacement of a soil absorption system in a failing residential on-site sewage system.
This update was made to revert back to the way this definition was originally written. Somewhere along the way it was removed from the draft accidentally.

- 410 IAC 6-8.3-12 was updated to say
"Design daily flow" or "DDF" means the calculated peak daily sewage flow from a residence used to design a residential on-site sewage system. ~~It is one hundred fifty (150) gallons per day times the number of bedrooms and bedroom equivalents.~~
(b) For dwellings that are not tiny houses or recreational vehicles, the DDF is one hundred fifty (150) gallons per day times the number of bedrooms and bedroom equivalents.
(c) For tiny houses, the DDF is a minimum of three hundred (300) gallons per day.
(d) For recreational vehicles used as dwelling units that will be connected to a residential on-site sewage system via a residential sewer that discharges to a septic tank or a holding tank, the DDF is ~~seventy-five (75)~~ fifty (50) gallons per day times the maximum occupancy number indicated by the recreational vehicle manufacturer. This does not apply to recreational vehicles in campgrounds that are regulated under 410 IAC 6-7.1, et. seq.

These changes were made based on comments received from the public.

- 410 IAC 6-8.3- was updated to say 12.1
“Designer” means an individual who designs and submits detailed on-site sewage system construction plans to the local health department for review as part of an on-site sewage system construction permit application.

This change was made based on comments received from the public.

- 410 IAC 6-8.3-15 was updated to say
"Dwelling" or "residence" means any house or place used or intended to be used as a place of seasonal or permanent human habitation or for sleeping for one (1) or two (2)

families, and any associated outbuildings that are for the private use of the owner. **This definition does not apply to recreational vehicles in campgrounds regulated under 410 IAC 6-7.1 et. seq.**

This section was not previously included for change, but due to a public comment, additional clarification was needed.

- 410 IAC 6-8.3-16.1 was updated to say
“Fixed reference point” means a location that is readily identifiable, from which measurements can be taken to describe the location of soil borings, soil pits, and system components, and must remain in place until the project is completed. Measurements to fixed reference points may be made using a global positioning system or distance measuring tools as long as they are replicable.
This change was made based on comments received from the public.
- 410 IAC 6-8.3-30.1 was updated to say
“Recreational vehicle used as a dwelling unit” defined
Sec. 30.1. “Recreational vehicle used as a dwelling unit” means a travel trailer, park model, collapsible trailer, truck-mounted camper, or motor home that is used as a dwelling unit and connected to a permanent on-site sewage system via a residential sewer to a septic or holding tank. A recreational vehicle used as a dwelling unit does not include recreational vehicles in campgrounds that are regulated under 410 IAC 6-7.1, et. seq., or those that use a properly maintained portable sewage tank and are not connected to an on-site sewage system.
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-33.2 was updated to say
“Residential on-site sewage system repair” means an activity undertaken to replace or modify an existing component or components of an existing on-site sewage system. The repair may include, but is not limited to, the addition, repair, or replacement of a component or components:
(1) such as a tank, sewer pipe, an effluent pump, etc.; or
(2) of the existing soil absorption system such as a pipe, chamber, or a distribution box.
Residential on-site sewage system repair does not include routine maintenance of the system.
This change was made because it appears that it was inadvertently removed during publishing.

- 410 IAC 6-8.3-33.3 was updated to say
“Residential on-site sewage system replacement” means an activity undertaken to replace a soil absorption system in the case of a system failure. Residential on-site sewage system replacement may also include adding, replacing, or repairing any other system component or components needed for the system to comply with this rule. In accordance with this rule, the best judgment of the local health department may be used, when necessary and appropriate, for the repair or replacement of a soil absorption system in a failing residential on-site sewage system.

This change was made because it appears that it was inadvertently removed during publishing.

- 410 IAC 6-8.3-45.1 was updated to say
“Soil pit” means an excavation that is wide, deep, and long enough for the soil scientist to enter safely, according to the federal Occupational Safety and Health Administration and any other federal, state, or local requirements, to directly observe, characterize, and describe, and collect soil samples, when necessary, from the soil profile.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-50 was updated to say
 "Technology new to Indiana" or "TNI" means on-site sewage treatment or disposal methods, processes, or equipment not described in this rule that have been approved by the:
 (1) **Technical Review Panel for TNI components that meet the requirements of NSF/ANSI 40, NSF/ANSI 245, or NSF/ANSI 350** department in accordance with section 52(h) of this rule **IC 16-19-3-27.5**; or
 (2) **Department for TNI that does not meet the requirements of NSF/ANSI 40, NSF/ANSI 245, or NSF/ANSI 350 in accordance with section 52(h) of this rule.**

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-50.5 was updated to say
“Watertight tank” defined
“Watertight tank” means that water or effluent cannot leak into or out of the structure tank except through piping in the designated pipe penetration ports or connectors in the tank. Pipe penetrations or connections in all tanks must result in a connection that does not allow liquid to flow around the pipe penetration into or out of the structure tank. Results of watertightness testing, as specified in

IAPMO/ANSI Z1000-2019 9.1, may be provided to confirm watertightness of new tanks. For existing tanks, the water test procedure outlined in IAPMO/ANSI Z1000-2019 9.1.3 may be used for watertightness testing.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-52(g)(1) was updated to say
(g) If any conditions preclude the installation of a residential on-site sewage system as described in this rule, the local ~~board of health~~ **department** may not approve the use of other residential on-site sewage system technology unless written approval from the department is:
(1) issued, under subsection (h), for local health departments to issue **on-site sewage system** construction permits for the use of the technology; or
This change was made based upon comments received from the public.

- 410 IAC 6-8.3-52(h) was updated to say
(h) ~~In order To permit development of new or more efficient sewage treatment or disposal processes, the department may approve the installation of experimental and TNI equipment, facilities, or pollution control devices for which extensive experience or records of use have not been developed in Indiana. The applicant for the approval must submit evidence of sufficient clarity and conclusiveness to convince the department that the proposal has a reasonable and substantial probability of satisfactory operation without failure~~ **TNI may be approved as follows:**
(1) The Technical Review Panel may approve TNI that meets the requirements of NSF/ANSI 40, NSF/ANSI 245, or NSF/ANSI 350 in accordance with [IC 16-19-3-27.5](#); or
(2) The department may approve a TNI component or components that do not meet the requirements of NSF/ANSI 40, NSF/ANSI 245, or NSF/ANSI 350 if
(A) extensive experience or records of use have not been developed in Indiana; and
(B) the applicant for the approval submits evidence of sufficient clarity and conclusiveness to convince the department that the proposal has a reasonable and substantial probability of satisfactory operation without failure.
This change was made based upon comments received from the public.

- 410 IAC 6-8.3-52(l)(4) was updated to say
(4) An on-site sewage system construction permit for connection or reconnection to an existing on-site sewage system must be obtained before construction of the residence or residential outbuilding begins.
This change was made based upon comments received from the public.

- 410 IAC 6-8.3-53 (Title of section) was updated to say
On-site Sewage System Construction permits
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-53(a) was updated to say
(a) For a dwelling or place of residence that will not be connected to a sanitary sewerage system, the owner, or agent of the owner, shall obtain a written **on-site sewage system** construction permit, signed by the health officer, for construction of a residential on-site sewage system ~~prior to~~ **before** the:
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-53(a)(9) was updated to say
(9) abandonment of an on-site sewage system or septic tank: connection or reconnection to an existing on-site sewage system.
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-53(b) was updated to say
(b) A local health department shall not issue an **on-site sewage system** construction permit for a new on-site sewage system, the repair of an on-site sewage system, or the replacement of a soil absorption system using TNI without the written approval of the department, except for the provisions of section 52(g) of this rule.
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-53(d) was updated to say
(d) ~~The application for~~ **Before a permit is issued, an application for an on-site sewage system** construction permit ~~shall must~~ be made to ~~on a form provided by the local health department.~~ **A complete** application ~~shall must~~ contain, or include as attachments, the following
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-53(d)(1)(C) was updated to say
(C) The number of bedrooms and bedroom equivalents **or the manufacturer's occupancy rating for a recreational vehicle used as a dwelling unit.**
This change was made based upon comments received from the public.
- 410 IAC 6-8.3-53(d)(6) was updated to say

(6) Before issuing an on-site sewage system construction permit for the repair, expansion, or alteration of an existing residential on-site sewage system, the local health department must confirm that:

(A) the system proposed for repair, expansion, or alteration is a residential on-site sewage system as defined in section 32;

(B) an inspection of the existing system, as defined in section 54.1 of this rule, is completed and identifies all system components needing replaced, repaired, altered, or expanded;

(C) the proposed repair, expansion, or alteration of the system has a reasonable probability of correcting a system failure or malfunction, if necessary, or will adequately increase the DDF of the system, if proposed;

(D) the components proposed to be added to, altered, or expanded in the system will be compliant with this rule; and

(E) all other requirements for issuance of an on-site sewage system construction permit in this section are fulfilled.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-53(e) was updated to say
(e) **Prior to the abandonment of an on-site sewage system or a septic, dosing, or holding tank, an on-site sewage system construction permit for abandonment must be obtained. The application for an on-site sewage system construction permit for abandonment must contain the name, physical and mailing addresses, and contact information of the property owner and agent, if applicable, and the physical address, if available, or specific location of the property.**

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-53(i) was updated to say
(i) No construction on the residential on-site sewage system may take place if the residential on-site sewage system site is disturbed or altered after the on-site evaluation by the addition of fill material, other than construction necessary for the residential on-site sewage system, or by cutting, scraping, ~~compaction~~ **compacting**, or ~~the removal of~~ **removing** soil, until a new on-site evaluation has been conducted and a modified **on-site sewage system** construction permit has been issued.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-53(j)(4) was updated to say

(4) Deviations to this rule for soil absorption system replacement must be identified and recorded on the on-site sewage system construction permit issued for the replacement soil absorption system.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-53(n) was updated to say
(n) The on-site sewage system construction permit for a residential on-site sewage system in violation of this section may be revoked by the health officer in accordance with section 55(e) of this rule. Requirements of permits issued for the construction of residential on-site sewage systems shall not be considered fulfilled until the installation is completed, ~~to the satisfaction of~~ **in compliance with this rule and the approved construction plan and approved by the health officer or the health officer's duly authorized representative.**

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-54.1(A)(2) was updated to say
(2) use of best judgment described in section 53(ij) of this rule;

This change was made to update a reference due to another change in the rule.

- 410 IAC 6-8.3-56(c) was updated to say
(c) At least three (3) soil profile descriptions must be completed in the area of the soil absorption field and provide good coverage of the entire soil absorption field area. All soil profile descriptions must be representative of the area of the soil absorption field, but do not necessarily have to be located within the footprint of the soil absorption field.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-62.1(c)(3) was updated to say
(3) when soil conditions exist that preclude the prompt construction of a soil absorption system on a site that has already received an on-site sewage system construction permit.

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-66(c) was added to say
(c) All pipe penetrations in the distribution box shall be made in a way that minimizes the potential for water to enter or exit around the pipe penetrations.

This addition was made based upon comments received from the public.

- 410 IAC 6-8.3-66(e) was removed. The previously proposed section read as follows:
~~(e) For all new distribution boxes, when more than one outlet of a distribution box is used to distribute effluent to a soil absorption field and the distribution box will be installed below final grade, a riser must be installed over the box and extend to or above final grade. The joints between riser sections must be watertight.~~

This update was made as a result of comments received from the public.

- 410 IAC 6-8.3-66, previous subsection (c), proposed to be subsection (e), is proposed to be reinstated in the rule with the following changes in bold font below.

(e) The distribution box ~~shall~~ **or top of the distribution box riser must** be fitted with a watertight, **securely fastened** removable lid for access. The distribution box may be fitted with a riser to the ground surface. The riser joints and the lid connection to the riser must be watertight.

This update was made as a result of comments received from the public.

- 410 IAC 6-8.3-74(b)(1) was updated to say
(1) a site visit and evaluation before issuing an on-site sewage system construction permit; and

This change was made based upon comments received from the public.

- 410 IAC 6-8.3-90(a) was updated to say
(a) The local health department shall issue a permit and require an inspection for the abandonment of an on-site sewage system in accordance with section ~~53(a)(9)~~ 53(e) of this rule.

This change was made to update a reference due to another change in the rule.

Other issues:

- Section 58(c), Table II, first column, second row, this should be $\leq$ (less than or equal to) rather than just $<$.
- Section 73, Table VI all of the “or equal to” signs have been removed and need to be replaced. All numbers in the table need to have either a “ $\leq$ ” or a “ $\geq$ ”.
- Section 79(a)(3)(A)(ii), the sign in front of 1500 in the second row should be $\leq$.
- Section 80(c)(3)B), the second and third rows in the first column should be $0\% \leq \text{slope} \leq \frac{1}{2}\%$, and $\frac{1}{2}\% > \text{slope} \leq 6\%$.