

**AN ORDINANCE OF THE BOARD OF TRUSTEES OF THE VILLAGE OF INDIAN POINT, MISSOURI, AMENDING CHAPTER 700 SEWER SYSTEM OF THE CODE OF THE VILLAGE OF INDIAN POINT, MISSOURI, FOR THE PURPOSE OF UPDATING THE SEWER CODE.**

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**WHEREAS**, the Board of Trustees of the Village of Indian Point, Missouri (“Village”), has the authority to adopt regulations to protect the health, safety, and welfare of the citizenry; and

**WHEREAS**, the Board of Trustees desires to update its current Sewer Code by amending Chapter 700 Sewer System to increase the capacity for future development.

**NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF INDIAN POINT, MISSOURI, AS FOLLOWS:**

**SECTION 1:** That Article 1. Operation and Use of Public and Private Sewers and Drains, Section 700.010. Definitions; Word Usage, is hereby amended in part and shall hereafter read as follows:

**Section 700.010. Definitions; Word Usage.**

- A. Definitions. Unless the context specifically indicates otherwise, the meaning of terms used in this Article shall be as follows:

**BLACK WATER**

**Denotes wastewater from toilets, which likely contains pathogens, and also wastewater from sinks that contain a garbage disposal (grinder) unit in its drain.**

BOD (denoting "BIOCHEMICAL OXYGEN DEMAND")

The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at twenty degrees Celsius (20° C.), expressed in milligrams per liter.

**BUILDING DRAIN**

That part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the inner face of the building wall.

**BUILDING SEWER**

The extension from the building drain to the public sewer or other place of disposal.

**COMBINED SEWER**

A sewer receiving both surface runoff and sewage.

**GARBAGE**

Solid wastes from the domestic and commercial preparation, cooking and dispensing of food, and from the handling, storage and sale of produce.

**GRAY WATER**

**All wastewater generated in households or office buildings from streams without fecal contamination and other blackwater.**

**INDUSTRIAL WASTES**

The liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.

**NATURAL OUTLET**

Any outlet into a watercourse, pond, ditch, lake or other body of surface or groundwater.

**PERSON**

Any individual, firm, company, association, society, corporation, or group.

**pH**

The logarithm of the reciprocal of the weight of hydrogen ions in grams per liter solution.

**PROPERLY SHREDDED GARBAGE**

The wastes from the preparation, cooking and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.

**PUBLIC SEWER**

A sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.

**SANITARY SEWER**

A sewer which carries sewage and to which storm, surface and ground waters are not intentionally admitted.

**SEWAGE**

A combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, and storm waters as may be present.

**SEWAGE TREATMENT PLANT**

Any arrangement of devices and structures used for treating sewage.

**SEWAGE WORKS**

All facilities for collection, pumping, treating, and disposing of sewage.

**SEWER**

A pipe or conduit for carrying sewage.

**SLUG**

Any discharge of water, sewage, or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four-hour concentration or flows during normal operation.

**STORM DRAIN (sometimes termed "STORM SEWER")**

A sewer which carries storm and surface waters and drainage, and unpolluted cooling water, but excludes sewage and industrial wastes.

**SUSPENDED SOLIDS**

Solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering.

**WATERCOURSE**

A channel in which a flow of water occurs, either continuously or intermittently.

- B. Word Usage. "Shall" is mandatory; "may" is permissive.

**SECTION 2:** That Article 1. Operation and Use of Public and Private Sewers and Drains, Section 700.040. Private Sewage Disposal Systems, is hereby amended in part and shall hereafter read as follows:

**Section 700.040. Private Sewage Disposal Systems.**

- A. Where a public sanitary or combined sewer is not available under the provisions of Section 705.030, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this Article.
- B. Before commencement of construction of a private sewage disposal system, the owner shall first comply with all the relevant provisions of the Rules and Regulations of the Village and obtain a construction permit signed by the Village. The application for such permit shall be made on a form furnished by the Village, which the applicant shall supplement by any plans, specifications, and other information as are required by the Village. A permit and inspection fee shall be paid to the Village as set forth in the Rules and Regulations.
- C. A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the Village. The Village shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the Village when the work is ready for final inspection, and before any underground portions are covered.
- D. The type, capabilities, location, and layout of a private sewage disposal system shall comply with all recommendations of the Department of Public Health of the State of

Missouri and the Rules and Regulations of the Village. No permit shall be issued for any private sewage disposal system employing subsurface soil absorption facilities where the area of the lot is less than forty thousand (40,000) square feet. No septic tank or cesspool shall be permitted to discharge to any natural outlet.

- E. At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in Section 705.030, a direct connection shall be made to the public sewer in compliance with this Article, unless said property is exempted from connecting pursuant to the Rules and Regulations of the Village, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.
- F. The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times and shall comply with all relevant provisions of the Rules and Regulations of the Village at no expense to the Village.
- G. No statement contained in this Article shall be construed to interfere with any additional requirements that may be imposed by the Health Officer.
- H. **All new residential developments containing over 10 units and all commercial buildings must incorporate a gray water collection system. Development may only discharge black water to the public sewer system.**

**SECTION 3:** That Article 1. Operation and Use of Public and Private Sewers and Drains, Section 700.050. Installation and Connection Requirements, is hereby amended in part and shall hereafter read as follows:

**Section 700.050. Installation and Connection Requirements.**

- A. This Article shall only apply in the event that a person whose property is not included in the first phase of the Jakes Creek Trail project desires to connect his property to the Jakes Creek Trail wastewater system.
- B. No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Village.
- C. There shall be two (2) classes of connection permits: (a) for residential and commercial service; and (b) for service to establishments producing industrial wastes. In either case, the owner or his agent shall make application on a special form furnished by the Village. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Village. A permit and inspection fee of one hundred twenty-five dollars (\$125.00) for a residential or commercial building sewer permit and one hundred twenty-five dollars (\$125.00) for an industrial building sewer permit shall be paid to the Village at the time the application is filed.

- D. All costs and expenses incident to the installation and connection of the collection system shall be borne by the owner. The owner shall indemnify the Village from any loss or damage that may directly or indirectly be occasioned by the installation of the collection system.
- E. A separate and independent collection system shall be provided for every building; except where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, courtyard, or driveway, the collection system from the front building may be extended to the rear building and the whole considered as one collection system.
- F. Old collection systems or parts of collection systems, such as septic tanks, may be used in connection with new buildings only when they are found, on examination and test by the Village, to meet all requirements of this Article and the Rules and Regulations.
- G. The size, slope, alignment, materials of construction of a collection system, and the methods to be used in excavating, placing of the pipe, jointing, testing and backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the Village. In the absence of code provisions in amplification thereof, the materials and procedures set forth in appropriate specifications of the Jakes Creek Trail engineering plans and specifications shall apply.
- H. The applicant for the connection permit shall notify the Village when the collection system is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the Village or its representative.
- I. All excavations for collection system installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the Village.
- J. **Gray water shall be collected separately from blackwater. Gray water used for flushing water closets and urinals shall be disinfected and treated by an on-site water reuse treatment system complying with NSF/ANSI Standard 350 and Chapter 13 of the 2018 International Plumbing Code. Storage tanks for gray water must be properly sealed and labeled. Gray water used for flushing of toilets and urinals must be filtered, disinfected and dyed. Disinfection prior to use must occur by an approved method using one or more disinfectants such as chlorine, iodine or ozone. If chlorine is used for disinfection, the treated water must have <4 mg/L of chloramines or free chlorine. If ozone is used for disinfection, the treated water must not contain “elevated levels” of ozone at the point of use.**
- K. **Gray water irrigations can be used upon city approval if proper filtration and treatment is provided. Irrigation shall be dripline system for irrigation lawn areas and landscaping. Disposing of non-potable water to underground landscape**

**irrigation piping shall comply with Chapter 14 of the 2018 International Plumbing Code. Surface irrigation is not allowed.**

- L. **The holding capacity of the gray water reservoir shall be at least the volume needed for daily flushing of fixtures supplied with gray water.**
- M. **Non-potable water collected on site containing untreated gray water shall be retained in collection reservoirs for a maximum of 24 hours. Gray water used for flushing water closets and urinals shall be disinfected and treated by an onsite water reuse treatment system complying with NSF 350.**

**SECTION 4:** That Article 1. Operation and Use of Public and Private Sewers and Drains, Section 700.080. Inspection and Maintenance, is hereby amended in part and shall hereafter read as follows:

**Section 700.080. Inspection and Maintenance.**

- A. The Village and its duly authorized employees, bearing proper credentials and identification, shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling, and testing in accordance with the provisions of this Article. The Village or its representatives shall have no authority to inquire into any processes including metallurgical, chemical, oil, refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for waste treatment.
- B. While performing the necessary work on private properties referred to in Subsection (A) above, the Village or its duly authorized employees shall observe all safety rules applicable to the premises established by the company, and the company shall be held harmless for injury or death to the Village employees, and the Village shall indemnify the company against loss or damage to its property by Village employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in Section 705.060(H).
- C. The Village and its duly authorized employees, bearing proper credentials and identification, shall be permitted to enter all private properties through which the Village holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.
- D. **Gray water systems require a permit from the Village's Planning and Zoning department . Regular inspections will verify compliance.**

**E. Review and approval costs of gray water systems will be accessed to the developer.**

**SECTION 5:** This Ordinance shall be in full force and effect from and after the date of its passage and approval.

**SECTION 6:** The provisions of this Ordinance are severable and if any provision hereof is declared invalid, unconstitutional or unenforceable, such determination shall not affect the validity of the remainder of this Ordinance.

**SECTION 7:** That the Village Clerk is authorized by this Ordinance to correct any scrivener's errors identified within this Ordinance.

**SECTION 8:** All ordinances conflicting in whole or in part with the provisions of this Ordinance are hereby repealed to the extent of the conflict.

**SECTION 9:** That all other parts and provisions of the Code not in conflict herewith shall remain in full force and effect unless previously or subsequently amended or repealed.

**PASSED AND APPROVED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF INDIAN POINT THIS 19 DAY OF JUNE 2024 ON FIRST AND SECOND READING.**

<b>FIRST READING</b>	<b>YEA</b>	<b>NAY</b>
<b>Denise Petersen</b>	<u><b>X</b></u>	___
<b>Barbara Manisco</b>	<b>ABSENT</b>	
<b>Zach Hamilton</b>	<u><b>X</b></u>	___
<b>Ron Coomes</b>	<u><b>X</b></u>	___
<b>Chris Houghton</b>	<u><b>X</b></u>	___

<b>SECOND READING</b>	<b>YEA</b>	<b>NAY</b>
<b>Denise Petersen</b>	<u><b>X</b></u>	___
<b>Barbara Manisco</b>	<b>ABSENT</b>	
<b>Zach Hamilton</b>	<u><b>X</b></u>	___
<b>Ron Coomes</b>	<u><b>X</b></u>	___
<b>Chris Houghton</b>	<u><b>X</b></u>	___

**Attest:** \_\_\_\_\_

**Shannon McQuality**  
**Deputy, Village Clerk**

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**Denise Petersen**  
**Chair, Board of Trustees**

**NOTE:** Words struck through and bolded are being removed by this ordinance and words underscored and bolded are being added by this ordinance.