

# **City of Osage Beach**

## **SEWER INFORMATION PACKET**

(Revised 21OCT 04 - SH)

### **I. GENERAL INFORMATION**

The purpose of this packet is to provide general information for the use of citizens and contractors involved in making connections to, modifications of, or constructing additions to the City of Osage Beach Sewer System.

### **II. AUTHORITY**

The City is authorized and licensed by the State of Missouri Department of Natural Resources (MDNR) to operate and maintain a sewage collection and treatment system. The system must be operated and maintained in accordance with MDNR regulations and guidelines and as authorized by City Code Chapter 710 Sewers and Sewerage Systems.

### **III. CONNECTIONS TO CITY SEWER SYSTEM IS MANDATORY**

By City Code 710.090 requires that all occupied buildings within 300 feet of city sewer mains shall be connected to the main within 60 days of notice. It is the intent of the city that all residences, commercial facilities or otherwise occupied facilities will be connected to the city sewer system. There are occasionally locations where it is impractical to construct connecting sewers to the city system. Such locations must have privately owned and operated systems that are authorized, licensed, and inspected by the city.

### **IV. CONSTRUCTION PERMIT – SEWER CONNECTION PERMIT**

Prior to the beginning of construction of any connection, modification of, or addition to the city sewer system the owner shall obtain a sewer construction or connection permit from the City Building Official as required by City Code 710.190.

### **V. SEWER CONNECTION FEES**

The owner shall pay a Sewer Capacity Fee and a Sewage Treatment Plant Capacity Fee before a permit will be issued. The fees are set by the Board of Aldermen and are reviewed on an annual basis. The current fees may be obtained by contacting the office of the City Building Official.

### **VI. DESIGN STANDARDS**

All sewerage facilities within the jurisdiction the City of Osage Beach shall be constructed in accordance with the City of Osage Beach Design Guideline as reference in the City Code. The city sewer system is a low-pressure sewer system in general. It is a rather complex system consisting of several miles of sewers, over 1100 grinder pumps, and approximately 56 sewage lift stations. The detail design of individual portions of the system requires professional engineering expertise.

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The city has standardized upon the use of ABS pumps and control equipment in order to reduce the cost of spare parts inventory and maintenance costs. There are also specific requirements for pipe, valves, and appurtenances. The specified requirements are enumerated in the Design Guidelines.

### **VII. PROCEDURES**

#### **A. Single Family Residential and Individual Small Commercial Entities**

Owners may submit a hand drawn sketch of their proposed sewer connection and grinder station details. The sketch shall clearly depict the location of the connection to be made, the identification number of the existing city grinder station to be connected to (as appropriate). The sketch must detail locations of cleanouts, length and diameter of the sewer, materials of construction, and flow line grades. At the time the applicant makes application they should meet with the City Engineer to determine the size and technical details required for their connection. As a courtesy to the citizen we will provide this service to private individuals providing there are no extenuating technical details that would require onsite services of a professional engineer.

#### **B. Multi-family Residential, Subdivisions, and Large Commercial or Industrial Enterprises**

The sewerage facilities to serve these types of developments shall be designed by a registered professional engineer in accordance with the City of Osage Beach Design Manual and MDNR regulations. At the present time review and approval of the design requirements for major additions to the city system must be reviewed and approved by both MDNR and the city.

At the time of application for a sewer connection permit, or during the Preliminary Plat review process the owner shall submit three copies of the design drawings and specifications for review. One set only will be returned to the owner.

Upon review and approval of the proposed work a permit will be issued by the office of the City Building Official.

### **VIII. INSPECTIONS REQUIRED**

During the course of construction the facilities will be inspected by city personnel. Upon completion and testing of the addition, modification, or connection to the city sewer system the Department of Public Works will activate the system and begin operation and maintenance of the system.

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### **IX. PRIVATE SEWAGE TREATMENT SYSTEMS**

As a general rule the use of privately owned sewage treatment systems will not be authorized. However, in bonafide cases of hardship and under very difficult or impractical circumstances the City Engineer may authorize a variation. The privately owned system must be constructed, operated, and maintained in accordance with the City Design Guideline or as approved by the City Engineer.

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