

# SEWER SYSTEM INVENTORY PROGRAM

FOR



***Winchester Municipal Utilities***  
***Winchester, Kentucky***

APRIL 2009

# Winchester Municipal Utilities (WMU)

## Sewer System Inventory Program

### *Table of Contents*

<i>Section</i>	<i>Page</i>
1. <b>Executive Summary</b> .....	2
2. <b>Inventory Program</b> .....	3
3. <b>Records Management and Program Updates</b> .....	3

## **Section 1 – Executive Summary**

Winchester Municipal Utilities (WMU) finalized its Consent Decree with the Environmental Protection Agency (EPA) in April 2007 for violations of the Clean Water Act that included 27 documented recurring sanitary sewer overflow (SSO) locations. The purpose of the Sewer System Inventory Program is to provide a standard management procedure for updating and maintaining, a database that details the sewer collection system and its appurtenant structures.

Implementation of the Sewer System Inventory Program will allow WMU to effectively manage assets in the collection system.

WMU personnel responsible for implementation of the Sewer System Inventory Program will be trained to follow the procedures as outlined in the program.

The Sewer System Inventory Program will be reviewed annually by WMU management to determine its effectiveness and the need for modifications.

WMU is committed to efficiently maintaining and operating its sanitary sewer system and conforming with requirements set forth in the federal and state regulations. The Sewer System Inventory Program will facilitate that effort.

## **Section 2 – Inventory Program**

Winchester Municipal Utilities (WMU) maintains the sewer system inventory via a sewer system model (InfoWorks) and Winchester/Clark County Geographic Information System (GIS) database.

The inventory includes but is not limited to the following.

- Sewer drainage basins
- Gravity and force main sewers
- Structure locations
- Manholes
- Pipe sizes
- Pipe material
- Pipe age
- Invert elevations
- Rim elevations
- Inverted siphons
- Pump stations
- Pump station data (capacity, pump sizes, line sizes, motor sizes, drawings)

New infrastructure is incorporated into each database upon dedication to WMU for perpetual ownership and maintenance.

Existing infrastructure is assessed during Routine Hydraulic Cleaning and video inspection activities with updates made to the inventory system as needed.

## **Section 3 – Records Management and Program Updates**

WMU will maintain an up-to-date sewer system model (InfoWorks) and Winchester Clark County Geographic Information System database (GIS).

The Sewer System Inventory Program will be reviewed annually for its completeness and amended as appropriate.