SOMERSET WASTEWATER ASSET INVENTORY REPORT

SOMERSET WASTEWATER DEPARTMENT

SOMERSET, KENTUCKY

JANUARY 2022

PREPARED BY:

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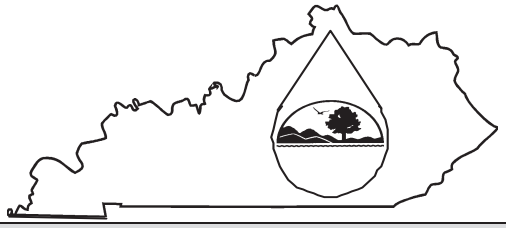
ASSET INVENTORY REPORT FORM



Kentucky Division of Water's Asset Inventory Report, as required by 401 KAR 5:006

In accordance with 401 KAR 5:006, regional planning agencies are required to submit an asset inventory report to the Cabinet, if: (a) It has been ten (10) years since the regional planning agency submitted a regional facility plan or asset inventory report; and (b) the regional planning agency does not meet the requirements established in Section 2(2) of the regulation. The asset inventory report requires regional planning agencies to take inventory of the physical assets of their wastewater system(s), assess their condition, prioritize capital needs, and develop a plan for funding those needs. By incorporating this planning tool into their daily operations, the Cabinet expects regional planning agencies to achieve the following benefits:

a. Reduce overall cost of system operation and maintenance;
b. Target capital investments toward critical assets;
c. Improve compliance record and remediate or correct illegal overflows or bypasses;
d. Acquire a better understanding of treatment and/or collection system components;
e. Reduce borrowing costs. Funding agencies prefer lending to municipalities which properly manage and operate their assets;
f. Potentially improve bond credit ratings;
g. Make a sound case for rate increases to local governing boards and rate payers;
h. Prolong the useful life of their assets. Knowing the condition of assets allows regional planning agencies to make timely repairs; and
i. Reduce duplication of efforts and improve the allocation of staff time and other resources.

A complete report consists of this form and copies of supporting documentation. All regional planning agencies that wish to use this report to demonstrate compliance with the requirements of 401 KAR 5:006, Section 4 must complete all seven sections of the report and provide copies of the supporting documentation required under section VI. This report form consists of seven (7) sections:

I. REGIONAL PLANNING AGENCY DATA

II. REVENUES AND EXPENSES

III. ASSET INVENTORY

IV. PROJECT PRIORITIZATION

V. FUNDING PLAN

VI. COPIES OF SUPPORTING DOCUMENTATION

VII. CERTIFICATION

Most of the information required in the form is self-explanatory. The instructions in some of the sections are given to highlight some of the information that may require interpretation or additional clarification. You may add extra pages for entering additional asset inventory information especially ft you are a regional planning agency with multiple treatment plants. If you need to include additional information, attach the extra pages and put the question number next to your answers and/or copy and paste the asset inventory tables on the additional pages. It's quite likely that all of the details of the asset inventory presented in this report will not apply to every wastewater system. If the parameter does not apply then indicate by entering N/A in the blank or modify the worksheets so they conform to the particular needs of your system. For additional information or assistance, contact the Kentucky Division of Water, Wastewater Planning Section (502) 564-3410.

I. REGIONAL PLANNING AGENCY DATA These subsections provide the basic information necessary to identify and characterize the system. The point of contact information must include an organization and an individual. The address can be a mailing address (e.g., P.O. Box). The physical location of the facility is required for treatment plants only. The address should be the physical location of the facility, and not a P.O. Box. Descriptive addresses are acceptable if no physical address exists.

1. Regional Planning Agency Information. Basic system information.

2. Discharge Information. Facilities may have multiple discharge types (e.g., discharge to another facility, subsurface discharge, outfall to surface waters, reuse). Additionally, one or more facilities may discharge to the facility. Please review and enter discharge information carefully. If multiple discharges apply, enter percentages which must add to up 100%.

3. Facility Effluent Treatment Level. Please indicate the level of treatment available at the treatment plant. Current Treatment Level should be selected if the facility is or will be in operation as of the date of report submittal. Projected Treatment Level should be entered if the facility will be in operation for all or part of the 10-year period after the date of report submittal. Treatment levels include **primary** (45mg/l<BOD; process in which the effluent is treated to remove floating debris and solids by screening and sedimentation); **advanced primary** (process in which chemicals are added to further treat primary effluent and increase the amount of solid matter removed); **secondary** (the effluent must meet the minimum removal standards for Biochemical Oxygen Demand, total suspended solids, and pH); and **advanced** (a level of treatment that is more stringent than secondary treatment or produces a significant reduction in nonconventional or toxic pollutants present in the facility's effluent; the treatment level is considered advanced if the BOD permit limit is less than 20 mg/l or the facility has one or more advanced treatment processes.

4. Facility Type. Enter all the facility types that apply to the system. Facility type includes treatment plant, collection (combined sewers, separate sewers, interceptor sewers, and biosolids handling facility. Indicate whether the facility is currently used by placing a check mark in "Present" column(s) or whether it is planned to be used in the future by placing a check mark in "Projected" column(s).

5. Flow and Population Served. Each year's data must be based on a 12-month time period. Subcategories a through d apply to treatment plants. If applicable, indicate the projected design capacity for treatment plants. The population served information table has two main components; each must be completed for the present condition and the 10-year projected condition.

6. Treatment Plant Discharge Limits. List the discharge limits for each parameter listed in the most current KPDES permits. If the parameter does not apply to the permits, then indicate by entering N/A in the blank.

II. REVENUES AND EXPENSES. Data items in this section are necessary to understand the financial condition of the system. The information provided can be estimated or based upon audit reports.

III. ASSET INVENTORY. This is the most extensive section of the report and will allow the Division of Water to evaluate the types of assets, anticipated failure and replacement or rehabilitation costs. The data items required should be readily available to most operators or managers. Most systems already have some form of inventory established but not centralized. The following asset inventory is designed to collect data and information into a centralized format. The inventory provides a format where information and data will be listed in the categorized asset tables and include corresponding characteristics, assigned assessment and failure mode ratings, and assigned strategies to renew or maintain the assets. Taking an initial inventory of assets can be a labor intensive job. Systems should start by identifying their critical assets to prepare the initial inventory. The collection of assessment data and information can be done through the direct inspection, observation, repairs, operation and maintenance routines, investigation/ monitoring/reporting, and analysis of data. Because systems need to continue to collect new data and information and build upon initial inventories, an ongoing, organized, and systematic collection of data should be established so the process develops. One of the most important outcomes of the assessments is determining the remaining useful life of an asset. A number of factors can affect the useful life of assets, including routine service and proper maintenance, excessive use, and environmental conditions such as topography, soil, or climate.

1. What is the State of My Assets? Assessing the state of assets is one of the core components of developing an asset inventory. It provides the critical information needed to assess condition, performance and reliability of system components. The measure of performance for a wastewater system can be based on four critical areas: customer service level, regulatory compliance, risk to public health and safety, and environmental protection. Conduct assessments on the condition, performance and reliability of current wastewater system assets using the definitions and tables below and assign the ratings to the following tables. Assessments are to be evaluated on a scale of 1 to 5.

- Current Condition- Rates the condition of the asset. The higher the number the better the condition of the asset.
- Current Performance- Rates whether the asset meets capacity requirements now and in the future. The higher the number the better the performance of the asset.
- Current Reliability- Rates the asset based on its frequency of breaking down. The higher the number the better the reliability of the asset.

a. Current Condition Assessment

Rating	Remaining Useful Life	Maintenance Level
5	New or Excellent Condition	Normal Preventive Maintenance
4	Minor Defects Only	Normal Preventive Maintenance, Minor Corrective Maintenance
3	Moderate Deterioration	Normal Preventive Maintenance, Major Corrective Maintenance
2	Signification Deterioration	Major repair, rehabilitate
1	Beyond Useful Life	Unit Must Be Replaced

b. Current Performance Assessment

Rating	Description
5	Exceeds/Meets all Performance Targets
4	Minor Performance Deficiencies
3	Considerable Performance Deficiencies
2	Major Performance Deficiencies
1	Fails to Meet Performance Targets

c. Current Reliability Assessment

Rating	Remaining Life	Frequency of Failure
5	New	Almost Negligible
4	Seldom Breakdown	More than 10 years
3	Occasional Breakdown	Every 5 Years
2	Periodic Breakdown	Every 2 Years
1	Continuous Breakdown	1 Year or Less

2. Which Assets are the Most Critical? Critical assets have high failure risks (old, poor condition, etc.) and/or major consequences if they do fail (major expense, system failure, safety concerns, environmental damage, water quality impacts, etc.). Some components of a system should take precedence for investment based on risk due to age, condition, and importance or consequence. Components found to be in poor condition, or with severe defects and high failure modes, should be addressed as soon as possible after they are discovered. Less severe defects can be prioritized for more frequent inspection or cleaning, repair, rehabilitation, or replacement. Conduct critical rating assessments of current wastewater system assets using the definitions and tables below and assign the ratings to the following tables:

- Consequence of Failure- Rates the asset based on the consequences of failure. Failure of some assets could be detrimental to the total system or facility components. The lower the number the lower the risk.
- Probability of Failure- Rates the asset based on the percentage of effective life consumed- as an asset ages the likelihood of failure increases. The lower the number the lower the probability of failure. **Enter the percentage shown**.
- Redundancy- Rates the criticality of the assets based on the availability of backup. Available backup reduces risk.

a. Consequence of Failure

Rating	Description	Percentage (%) Affected	Level
1	Minor Component Failure	0 - 25%	Asset
2	Major Component Failure	25 -50%	Asset
3	Multiple Asset Failure	25 - 50%	Facility/Sub-system
4	Major Facility Failure	50 - 100%	Facility
5	Minor Sanitary System Failure	20 - 40%	Total System
6	Medium Sanitary System Failure	40 - 60%	Total System
7	Intermdetiate Sanitary System Failure	60 - 80%	Total System
8	Significant Sanitary System Failure	80 - 90%	Total System
9	Total	90 - 100	Total System

b. Probablity of Falure

Rating	Percentage (%) of Effective Life Consumed
1	20%
2	40%
3	60%
4	80%
5	100%

c. Curent Redundancy Assessement

Rating	Level of Redundancy	Reduce Probability of Failure by:
1	50% Backup	50%
2	100% Backup	90%
3	200% Secondary Backup	98%

3. Renewal and Maintenance Strategy: This asset inventory report will help regional planning agencies acquire a better understanding of their systems and make more informed decisions about future capital investments. An important part of conducting an inventory is determining a strategy of how to manage assets through renewal and maintenance. At some point, continuing to repair the asset will no longer be cost-effective and it will need to be rehabilitated or replaced. A preventive maintenance program will enable you to maximize the useful lives of your assets and can help you avoid problems and cut down or delay replacement costs. Conduct assessments on strategies to renew or maintain assets using the definitions and tables below and assign the options to the following tables:

- Renewal Strategy- Record decisions on what will be done with each asset.
- Maintenance Strategy- Record decisions on the type of maintenance tactics to perform based on the selected renewal strategy.
- Recommended Renewal Date- Renewal date is equivalent to the end of useful life date of an asset per the manufacturer. You may enter a different date based on your renewal strategy. This can be used in calculating the future value of the renewal strategy.
- Costs of Renewal Option- For this example assume all assets will be replaced. Enter your estimate of what the renewal strategy will cost in today's dollars

a. Renewal Strategies

Option	Description	Type
1	Do Nothing	Non-Capital
2	Continue with Status Quo	Non-Capital
3	Maintain Differently	Non-Capital
4	Operate Differently	Non-Capital
5	Repair	Capital
6	Refurbish/Rehabilitate	Capital
7	Replace Asset with Similar Asset	Capital
8	Replace with a New or Improved Asset	Capital
9	Reduce Levels of Service or Cause of Failure	Non-Asset

b. Maintenance Strategy

Option	Maintenance Tactic
1	PM - Preventive Maintenance
2	CBM - Condition based maintenance
3	UBM - Usage based maintenance
4	RTF - Run to failure
5	CM - Corrective maintenance

Asset Inventory Table Instructions

Putting together the inventory requires organization of assets and decisions regarding what level of asset should be included. This format allows for any level of detail desired, and is capable of classifying a great deal of information about the assets. Key points are to (1) organize the asset inventory from large to small units; (2) gather information and insert into the appropriate categories; (3) after basic hierarchy is established, additional information can be added as it is obtained (Refer to the table of Examples of Asset Categories and Category Hierarchy).

List as many assets within each categorized table as you can and as many characteristics of each asset. Characteristics will vary by asset type. Use the assessment and strategy ratings defined above while taking into account the current condition of each asset, its service history, and your experience based on the characteristics of your system (e.g., weather conditions, operation and maintenance routines). Get the best information you can, but use estimates if you need to. For the collection system tables (Tables 4 through 7), grouping of collection lines is recommended. For example, if collection lines were put into place in the same area during the same period of time and are composed of the same diameter and material, then enter the total linear footage of the same group instead of segmenting them (e.g., downtown, 10,000 feet, 8 inch diameter, Cast Iron, circa 1950).

Examples of Asset Categories and Category Hierarchy

Asset Categories	Asset Category Hierarchy
Headworks	Screening- Bar Screens, Screens Grit Removal- Blower, Auger, Grit Pumps, Pipes/Valves Electrical- Motor Control
Raw Sewage Pumping	Pumps- Pump #1, Pump #2, Pipes/Valves Electrical- Motor Control Center, Generator Instrumentation- Flow Meter, Level Sensors
Pump Stations	
Building and Grounds	
Panels- Alarm/Electrical	
Collection Structure	Manholes- Grinder Pumps
Collection System Pipe	Gravity Force Main- Air-Relief Valves
Collection Systen Lift Station	Pumps- Pump 1,2,3, etc., Valve and Piping Instrumentation- Flow Meter Electrical- Motor Control, Standby Generator
Treatment Unit Processes	

IV. Project Prioritization and Fund Plan Table Instructions:

Preparing the asset inventory report allows regional planning agencies to prioritize rehabilitation and replacement projects. The estimated cost of rehabilitation and replacement activities associated with your highest priority assets are required for completing the funding plan worksheet. Gather information on all of the costs associated with the rehabilitation or replacement of an asset and provide a citation for the source of the estimate. Costs should only account for funds you will need to replace or rehabilitate your capital assets, and should not include routine operation and maintenance costs. To determine what a rehabilitation or replacement project might cost, you can:

1. Consult with your engineer;
2. Ask local contractors for estimated costs;
3. Contact equipment manufacturers; and
4. Talk to other systems about the cost of their rehabilitations or replacements.

It is important that you update this worksheet every year, and as new information becomes available, because your system's priorities and finances may change. Costs of new assets or rehabilitations may also change. Updating your worksheet annually and setting aside the required reserve amount will help ensure that you have enough money to cover the cost of future rehabilitation and replacement projects.

It may be overwhelming to see how much money you should be saving each year to fund the replacement and rehabilitation of your assets. You can fund capital improvements by saving the total per year cost of replacements in a reserve account. Alternatively, you can use the money you already have more efficiently and put the savings towards replacing and rehabilitating your assets. Here are some strategies that could help you use your current resources more efficiently or raise additional funds:

1. Form partnerships with other wastewater systems to reduce operating costs. This may allow you to simplify management and obtain bulk purchasing agreements.
2. Consider increasing rates to raise revenue.
3. Apply for financial assistance. Banks and government funding agencies can help fund infrastructure projects such as treatment system upgrades and collection line repairs. For large projects, you may want to research funding options such as state and federal clean water grant and loan programs.

Key decision makers (for example, the board of directors, elected officials of the community, or owners of manufactured housing associations) make critical decisions about the finances of wastewater systems. For this reason, they need to understand the financial needs related to the rehabilitation and replacement of the system's equipment and assets. The information compiled in this report should be presented to key decision makers and incorporated into the annual budget. This information should be reviewed annually and modified as necessary. The decision makers can also present this information to the public at board meetings.

1 Regional Planning Agency Information

Regional Planning Agency Name	City of Somerset Water & Wastewater Service				
Mailing Address	306 E. Mt. Vernon St.				
City	Somerset	State	KY	Zip	42501
Physical Address (if different)	475 Pitman Creek Rd.				
City	Somerset	Zip	42501		
Contact Person	Dana Whitis				
Title	Water & Wastewater Manager				
Telephone Number	606	425-5364			
Fax Number					
E-mail Address	dwhitis@cityofsomerset.com				
Website	https://www.cityofsomerset.com/water-waste-water/				
KPDES/KISOP Number					

Name of watershed(s) within the planning area	Hydrological Unit Code (HUC) 10
Pitman Creek - Cumberland River	05130103050
Fishing Creek	05130103080
Buck Creek	05130103040

Waterbodies within the planning area listed as impaired waters in the *Integrated Report to Congress on Water Quality in Kentucky.*

Pitman Creek 5.4 to 6.0
Indian Creek 0.0 to 4.2
Big Clifty Creek 4.8 to 6.8
Dry Branch 0.0 to 0.4

2 Discharge Information

Discharge Type (e.g. discharge to another facility, subsurface discharge, outfall to surface waters, reuse)

Outfall to Surface Water

Name of Receiving Water(s)	Milepoint	or Latitude	and Longitude
Pitman Creek		37.043946 N	84.596716 W

Does the WWTP discharge its effluent in another manner besides directly to a stream (e.g. land application, underground percolation, hydrologic controlled release [HCR], well injection)? If yes, provide method.

N/A

Does the system discharge to or receive wastewater from other municipalities or service area? Provide applicable names and KPDES and/or KISOP permit numbers.

Burnside Municipal Water Works	KYP000069
Gen. Burnside Wastewater Collection	KYP000082

3 Facility Effluent Treatment Level

What levels of treatment are provided? Check all that apply.

☐	Preliminary	☑	Secondary
☑	Primary	☑	Advanced
☐	Other Describe:	☐	Other Describe:

Projected (Indicate the level of treatment and projected date):

4 Facility Type

Facility Type	Present	Projected
Treatment Plant	☑	☐
Collection	☑	☐
Pump Stations	☑	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

5 Flow and Population Served. Each year's data must be based on a 12-month time period

	Present		Projected in 10 years
a. Design Flow Rate (mgd)	4.4		4.4
	2 Yrs Ago	Last Year	This Year
b. Annual average daily flow rate (mgd)	2.52	2.73	2.75
	2 Yrs Ago	Last Year	This Year
c. Maximum (Peak) daily flow rate (mgd)	3.54	3.95	3.83
d. Average daily flow projected in 10 years (mgd)			3
e. Average inflow & Infiltration. Estimates should be based on most recent data (mgd)			0.015
	Present		Projected in 10 years
f. Residential flow contribution (mgd)	2.672		2.9
	Present		Projected in 10 years
Commercial/industrial flow contribution (mgd)	0.078		0.1
(Projections should be based on 1,000 to 1,500 gallons per day/acre)			
	Present		Projected in 10 years
Population served (persons)	7176		7835
(Calculations should be based on Census data specific to the service area or No. of accounts X 2.5)			
	Present		Projected in 10 years
Unserved population in the planning area	5766		6295

Does the system have a pretreatment program? Yes ☑ No ☐

6 Treatment Plant Discharge Limits

Parameter	Monthly Average	Daily Maximum	Daily Minimum	
Biological Oxygen Demand (BOD_5; mg/l) or $CBOD_5$	10	15		mg/l
Total Suspended Solids (TSS; mg/l)	30	45		mg/l
Ammonia Nitrogen: Summer	7	11		mg/l
Winter	3	5		mg/l
Dissolved Oxygen (mg/l)	N/A		7.0	mg/l
Fecal Coliform (colonies/100ml)	N/A	N/A		col/100 mls
Escherichia coli (colonies/100ml)	130	240		col/100 mls
pH (standard units)		9.0	6.0	S.U.
Total Residual Chlorine (mg/l)	N/A	N/A		mg/l
Phosphorus (Total; mg/l)	1.00	N/A		mg/l
Total Nitrogen (mg/l)	25.00	N/A		mg/l
Biomonitoring (Tuc)	N/A	1.00		Tuc

8 REVENUES AND EXPENSES

		Year	Month
1. Current Fiscal Year and First Month of the Fiscal Year		2021	June
2. Median Household Income (MHI) of the Service Area	$	31,371	
		Residential	Commercial
3. Current User Charge Per Month per 4,000 gallons	$	16.30	$ 28.08
		Residential	Commercial
4. Projected User Charge Per Mo. Over Next Two Years per 4,000 gal.	$	16.50	$ 28.40

5. Annual Revenues

Enter Expected Future Changes in Revenues (in current year dollars)

	Current Year	Year 2022	Year 2023	Year 2024	Year 2025	Year 2026
Total retail user charges	2597059.75	2608992.31	2620924.87	2632857.43	2644789.99	2656722.55
Total wholesale user charges	26811.29	29866.94	32922.59	35978.24	39033.89	42089.54
Interest earned	28943	32729.01	36515.02	40301.03	44087.04	47873.05
Funds drawn from reserves	0	0	0	0	0	0
Other revenues (tap-on fees; impact fees, etc.)	1642859.98	1464876.487	1464876.487	1464876.487	1464876.487	1464876.487
TOTAL	$4,295,674	$4,136,465	$4,155,239	$4,174,013	$4,192,787	$4,211,562

6. Annual Expenses

Enter Expected Future Changes in Expenses (in current year dollars)

	Current Year	Year 2022	Year 2023	Year 2024	Year 2025	Year 2026
Salaries, wages, benefits	1216159.85	1231655.47	1247151.09	1262646.71	1278142.33	1293637.95
Supplies, equipment, chemicals	289144.61	323148.09	357151.57	391155.05	425158.53	459162.01
Repairs and parts	1258475.06	1285041	1285041	1285041	1285041	1285041
	Electric	Electric	Electric	Electric	Electric	Electric
Utilities	252833.042	261453.94	261453.94	261453.94	261453.94	261453.94
	Water	Water	Water	Water	Water	Water
	115920.648	113809.83	113809.83	113809.83	113809.83	113809.83
	Gas	Gas	Gas	Gas	Gas	Gas
	4409.58	4285.4	4285.4	4285.4	4285.4	4285.4
Payments to other facilities	0	0	0	0	0	0
Funds added to reserves	38515.58	53620.77	68725.96	83831.15	98936.34	114041.53
Debt service	374512.92	313630	313630	313630	313630	313630
Other expenses	228094.72	180940	180940	180940	180940	180940
TOTAL	$3,778,066	$3,767,585	$3,832,189	$3,896,793	$3,961,397	$4,026,002

	Collection System: Gravity Pipes & Manholes - Existing																
			Pipe Length	Pipe Size			Assessment Ratings			Failure Ratings			Renewal and Maintenance Strategy			
	Description	Description of Manholes (diameter, material, lid type)	Feet	Inches	Pipe Material	Year Installed	Condition	Performance	Reliability	Consequence	Probability	Redundancy	Renewal Strategy	Maintenance Strategy	R&M Date	Estimated Cost of R&M Option $
Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16	Column17
1	Most of downtown	4ft, Cast Iron	93588	8	Clay	1932	4	5	5	3	2	2	2	2	Not Known	Not Known
2	South Vine from Plum to Spring Ct.	4ft, Cast Iron	2929	10	Clay	1932	4	5	5	3	2	2	2	2	Not Known	Not Known
3	Spring to S Richardson Dr and South Central	4ft, Cast Iron	4667	12	Clay	1932	4	5	5	3	2	2	2	2	Not Known	Not Known
4	W Columbia to S Richardson	4ft, Cast Iron	2544	15	Clay	1932	4	5	5	3	2	2	2	2	Not Known	Not Known
5	S Richardson to Grove	4ft, Cast Iron	2241	18	Clay	1932	4	5	5	3	2	2	2	2	Not Known	Not Known
6	Old S Main, High, Broadway, and White	4ft, Cast Iron	11549	8	Clay	1970	4	5	5	3	2	2	2	2	Not Known	Not Known
7	Bourne Ave	4ft, Cast Iron	2435	10	Clay	1970	4	5	5	3	2	2	2	2	Not Known	Not Known
8	Bourne Ave at Chandler	4ft, Cast Iron	357	12	Clay	1970	4	5	5	3	2	2	2	2	Not Known	Not Known
9	North of 80, East of 27	4ft, Cast Iron	22293	8	PVC	1971	4	5	5	3	2	2	2	2	Not Known	Not Known
10	Commerce Lane	4ft, Cast Iron	3460	10	PVC	1971	4	5	5	3	2	2	2	2	Not Known	Not Known
11	Elihu Cabin Hollow Rd	4ft, Cast Iron	2300	12	PVC	1971	4	5	5	3	2	2	2	2	Not Known	Not Known
12	WWTP	4ft, Cast Iron	1083	15	PVC	1971	4	5	5	3	2	2	2	2	Not Known	Not Known
13	Under 1914 to WWTP	4ft, Cast Iron	697	24	PVC	1971	4	5	5	3	2	2	2	2	Not Known	Not Known
14	South of 80, west of 27	4ft, Cast Iron	25166	8	PVC	1972	4	5	5	3	2	2	2	2	Not Known	Not Known
15	27 along sinking creek to Columbia	4ft, Cast Iron	1424	10	PVC	1972	4	5	5	3	2	2	2	2	Not Known	Not Known
16	Community College along Old Monticello St	4ft, Cast Iron	55080	8	PVC	1973	4	5	5	3	2	2	2	2	Not Known	Not Known
17	Airport to Community College	4ft, Cast Iron	8122	10	PVC	1973	4	5	5	3	2	2	2	2	Not Known	Not Known
18	3057 Crossing	4ft, Cast Iron	1218	12	PVC	1973	4	5	5	3	2	2	2	2	Not Known	Not Known
19	Community College along Allen Branch	4ft, Cast Iron	6464	15	PVC	1973	4	5	5	3	2	2	2	2	Not Known	Not Known
20	Along Sinking Creek	4ft, Cast Iron	13558	15	PVC	1973	4	5	5	3	2	2	2	2	Not Known	Not Known
21	Hope Way to Railroad	4ft, Cast Iron	1495	18	PVC	1973	4	5	5	3	2	2	2	2	Not Known	Not Known
22	McKee Rd	4ft, Cast Iron	881	6	PVC	1974	4	5	5	3	2	2	2	2	Not Known	Not Known
23	North of town to Caney Fork, Ferguson	4ft, Cast Iron	34404	8	PVC	1974	4	5	5	3	2	2	2	2	Not Known	Not Known
24	1247 50 Williams St.	4ft, Cast Iron	3183	12	PVC	1974	4	5	5	3	2	2	2	2	Not Known	Not Known
25	West of 27 at hospital	4ft, Cast Iron	27301	8	PVC	1975	4	5	5	3	2	2	2	2	Not Known	Not Known
26	Trade Park Dr	4ft, Cast Iron	3062	10	PVC	1975	4	5	5	3	2	2	2	2	Not Known	Not Known
27	Summit Ave	4ft, Cast Iron	352	4	PVC	1979	4	5	5	3	2	2	2	2	Not Known	Not Known
28	Offut St	4ft, Cast Iron	330	6	PVC	1979	4	5	5	3	2	2	2	2	Not Known	Not Known
29	Southeast of Crawford Ave	4ft, Cast Iron	13055	8	PVC	1979	4	5	5	3	2	2	2	2	Not Known	Not Known
30	Griffen Ave to Emery St	4ft, Cast Iron	17054	8	Clay	1980	4	5	5	3	2	2	2	2	Not Known	Not Known
31	Somerset Mall	4ft, Cast Iron	20615	8	PVC	1980	4	5	5	3	2	2	2	2	Not Known	Not Known
32	Mall to Boat Dock Rd.	4ft, Cast Iron	5599	10	PVC	1980	4	5	5	3	2	2	2	2	Not Known	Not Known
33	27 north 0f 80	4ft, Cast Iron	35455	8	PVC	1982	4	5	5	3	2	2	2	2	Not Known	Not Known
34	27 north 0f 80, west side	4ft, Cast Iron	3860	10	PVC	1982	4	5	5	3	2	2	2	2	Not Known	Not Known
35	Buildings across 27 from Chickfila?	4ft, Cast Iron	575	6	PVC	1985	4	5	5	3	2	2	2	2	Not Known	Not Known
36	Same group of buildings	4ft, Cast Iron	4676	8	PVC	1985	4	5	5	3	2	2	2	2	Not Known	Not Known
37	Same group of buildings	4ft, Cast Iron	1922	10	PVC	1985	4	5	5	3	2	2	2	2	Not Known	Not Known
38	Neighborhoodsoff of grand central boulevard	4ft, Cast Iron	12989	8	PVC	1988	4	5	5	3	2	2	2	2	Not Known	Not Known
39	Grand Central BLVD	4ft, Cast Iron	5202	12	PVC	1988	4	5	5	3	2	2	2	2	Not Known	Not Known
40	27 to 2292	4ft, Cast Iron	1577	15	PVC	1988	4	5	5	3	2	2	2	2	Not Known	Not Known
41	WWTP Effluent		415	24	PVC	1971	4	5	5	3	2	1	2	2	Not Known	Not Known
42																
43																
44																
45																

Collection System Gravity Pipes and Manholes - Proposed Projects

	Proposed Project Title	Project Description	Type				Number of New Manholes	Pipe Length Feet	Pipe Size Inches	Pipe Material	Year Planned	If Known		Plans & Specs Approved?	Funding In Place?
			Extension	Rehab	Replace	Abandon						Manufacturer's Predicted Life Years	Estimated Project Cost $		
Colu	Column2	Column3	Colu	Colu	Colu	Colu	Column8	Column9	Column1	Column11	Column12	Column13	Column14	Column15	Column16
1	Pitman Creek WWTP Improvements and South US 27 Phase 2 Sewer Extensions	A new 150 gpm sewage pumping station, sewage force main and gravity sewers will be constructed to accommodate a new industry. These sewers will tie into an existing 10-inch gravity sewer.	x				10	1345	8	PVC	2022	20	7500000	Yes	Yes
2	Bourne Ave. Sanitary Sewer Upgrade	The project entails the replacement of approximately 3,000 LF of existing 8" sanitary sewer and public property laterals to alleviate health and safety threats from the stoppage and overflow of an aging sanitary sewer segment.		x	x		14	2078	8	PVC	2021	20	375000	Yes	Yes
3	Ferguson – Sanitary Sewer Extensions	The project will expand sewer service to the remaining residents of Ferguson.	x				113	16528	8	PVC	2023	20	3500000	No	No
4															
5															
6															
7															
8															
9															
10															

	Pressure Line/Force Mains and Air-Release Valves - Existing															
		Description of AR Valves	Pipe Length	Pipe Size			Assessment Ratings			Failure Ratings			Renewal and Maintenance Strategy			
	Description	(size and type)	Feet	Inches	Pipe Material	Year Installed	Condition	Performance	Reliability	Consequence	Probability	Redundancy	Renewal Strategy	Maintenance Strategy	R&M Date	Estimated Cost of R&M Option $
Colun	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16	Column17
1	North Lair St		518	4	Clay	1932	4	5	5	3	2	1	2	2	Not Known	Not Known
2	North Maple St Driveway		1961	8	Clay	1932	4	5	5	3	2	1	2	2	Not Known	Not Known
3	Race St.		294	4	Clay	1970	4	5	5	3	2	1	2	2	Not Known	Not Known
4	Creek Crossing at WWTP	Double Inverted Pipe	1341	8	PVC	1971	4	5	5	3	2	1	2	2	Not Known	Not Known
5	Elihu-Cabin Hollow Road		3356	8	PVC	1971	4	5	5	3	2	1	2	2	Not Known	Not Known
6	KY-80 Bypass		1905	4	PVC	1972	4	5	5	3	2	1	2	2	Not Known	Not Known
7	Hamilton Ave		830	4	PVC	1973	4	5	5	3	2	1	2	2	Not Known	Not Known
8	Kennedy St		1556	6	PVC	1973	4	5	5	3	2	1	2	2	Not Known	Not Known
9	Sinking Creek crossing	Double Inverted Pipe	2154	8	PVC	1973	4	5	5	3	2	1	2	2	Not Known	Not Known
10	Somerset Community College		3194	8	PVC	1973	4	5	5	3	2	1	2	2	Not Known	Not Known
11	Refinery Rd		1044	10	PVC	1973	4	5	5	3	2	1	2	2	Not Known	Not Known
12	KY-1247		1118	4	PVC	1974	4	5	5	3	2	1	2	2	Not Known	Not Known
13	Williams St		3662	8	PVC	1974	4	5	5	3	2	1	2	2	Not Known	Not Known
14	Haley St		455	4	PVC	1979	4	5	5	3	2	1	2	2	Not Known	Not Known
15	Murphy Ave		1189	4	Clay	1980	4	5	5	3	2	1	2	2	Not Known	Not Known
16	Aqua Trail		999	6	PVC	1980	4	5	5	3	2	1	2	2	Not Known	Not Known
17	Boat Dock Rd		10326	10	PVC	1980	4	5	5	3	2	1	2	2	Not Known	Not Known
18	Palm Circle		1061	4	PVC	1982	4	5	5	3	2	1	2	2	Not Known	Not Known
19	Hamilton Lane		5554	6	PVC	1982	4	5	5	3	2	1	2	2	Not Known	Not Known
20	US-27		2430	8	PVC	1982	4	5	5	3	2	1	2	2	Not Known	Not Known
21	Valley Oak PS	4 AR Valves, 3/4" Air-Release	48153	6	PVC	1990	4	5	5	3	2	1	2	2	Not Known	Not Known
22																
23																
24																
25																
26																

Pressure Line/Force Main and Air-Release Valves - Proposed Projects

	Proposed Project Title	Project Description	Type				Number of New AR Valves	Pipe Length	Pipe Size	Pipe Material	Year Planned	If Known		Plans & Specs Approved?	Funding In Place?
			Expansion	Rehab	Replace	Abandon		Feet	Inches			Manufacturer's Predicted Life Years	Estimated Project Cost $		
Colun	Column2	Column3	Colun	Colun	Colun	Colun	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16
1	Pitman Creek WWTP Improvements and South US 27 Phase 2 Sewer Extensions	A new 150 gpm sewage pumping station, sewage force main and gravity sewers will be constructed to accommodate a new industry. These sewers will tie into an existing 10-inch gravity sewer.	x					1917	4	PVC	2022	20	7500000	Yes	Yes
2	Ferguson – Sanitary Sewer Extensions	The project will expand sewer service to the remaining residents of Ferguson.	x					1889	2	HDPE	2023	20	3500000	No	No
3															
4															
5															
6															
7															
8															
9															
10															

	Pump Stations - Existing															
		Type		Total Dynamic Head	Year Installed	Assessment Ratings			Failure Ratings			Renewal and Maintenance Strategy			
	Pump Station Name	(e.g. submersible, centrifugal, etc.)	Capacity gpm	Feet		Condition	Performance	Reliability	Consequence	Probability	Redundancy	Renewal Strategy	Maintenance Strategy	R&M Date	Estimated Cost of R&M Option $
Colur	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16
1	Eckstein	Submersible	200	36	1963	1	1	1	3	5	1	8	4	Not Known	Not Known
2	Hayes Lemmerz	Submersible	600	225	1992	1	3	3	3	4	1	6	2	Not Known	Not Known
3	Hillandale	Submersible	5250	40	2021	1	3	3	3	4	1	6	2	Not Known	Not Known
4	N. Richardson	Submersible	200	36	1988	1	1	1	3	5	1	8	4	Not Known	Not Known
5	N. College	Submersible	200	36	1963	2	2	2	3	5	1	8	4	Not Known	Not Known
6	Sinking Creek	Submersible	1791	89	2020	2	2	2	3	3	1	6	2	Not Known	Not Known
7	Stigall	Submersible	13	94	2012	2	2	2	3	4	1	6	2	Not Known	Not Known
8	Ashurst	Submersible	65	25	1991	3	3	3	3	2	1	5	2	Not Known	Not Known
9	Boat Dock Rd	Submersible	500	58	1997	3	3	3	3	2	1	5	2	Not Known	Not Known
10	Carroll St	Submersible	65	25	1991	3	3	3	3	2	1	5	2	Not Known	Not Known
11	Cumberland Ind	Submersible	200	36	1989	3	4	4	3	2	1	5	2	Not Known	Not Known
12	Fox Hills #1	Submersible	1014	75	2020	3	3	3	3	2	1	5	2	Not Known	Not Known
13	Fox Hills #2	Submersible	749	58	2020	3	3	3	3	2	1	2	2	Not Known	Not Known
14	Grande Ave	Submersible	750	30	1992	3	4	4	3	2	1	5	2	Not Known	Not Known
15	Hamilton Ave	Submersible	65	20	1997	3	3	3	3	2	1	5	2	Not Known	Not Known
16	Hamilton Ln	Submersible	80	25	1986	3	3	3	3	2	1	5	2	Not Known	Not Known
17	Hill View	Submersible	650	25	1980	3	4	4	3	2	1	5	2	Not Known	Not Known
18	Hillcrest	Submersible	650	25	1980	3	3	3	3	2	1	5	2	Not Known	Not Known
19	Hwy 1247	Submersible	350	80	2011	3	3	3	3	2	1	5	2	Not Known	Not Known
20	Kennedy St	Submersible	350	53	2008	3	3	3	3	2	1	5	2	Not Known	Not Known
21	Lair St	Submersible	650	25	2015	3	3	3	3	2	1	5	2	Not Known	Not Known
22	Palm Circle	Submersible	450	50	2000	3	3	3	3	2	1	5	2	Not Known	Not Known
23	Plaze	Submersible	616	129	2020	3	3	3	3	2	1	5	2	Not Known	Not Known
24	Stonecrest	Submersible	87	86	2005	3	3	3	3	3	1	5	2	Not Known	Not Known
25	Thurman Rd	Submersible	80	101	2012	3	4	4	3	2	1	5	2	Not Known	Not Known
26	Tigers Way	Submersible	650	30	2000	3	3	3	3	2	1	5	2	Not Known	Not Known
27	Williams St	Submersible	856	256	2020	3	4	4	3	2	1	5	2	Not Known	Not Known
28	College St. Pond	Submersible	250	15	2020	4	4	4	3	3	1	5	2	Not Known	Not Known
29	Crane St	Submersible	65	20	2004	4	4	4	3	1	1	1	1	Not Known	Not Known
30	Eagles Landing	Submersible	100	40	2006	4	4	4	3	1	1	1	1	Not Known	Not Known
31	Hwy 39	Submersible	180	100	2015	4	4	4	3	2	1	5	1	Not Known	Not Known
32	Industrial Park	Submersible	650	80	1993	4	4	4	3	1	1	1	1	Not Known	Not Known
33	McKee	Submersible	650	25	1980	4	4	4	3	1	1	1	1	Not Known	Not Known
34	Med Park	Submersible	80	30	2006	4	4	4	3	1	1	1	1	Not Known	Not Known
35	Multi Modal	Submersible	235	22	2006	4	4	4	3	1	1	1	1	Not Known	Not Known
36	Oak Hill	Submersible	800	80	2000	4	4	4	3	1	1	1	1	Not Known	Not Known
37	Race St	Submersible	200	36	1994	4	4	4	3	1	1	1	1	Not Known	Not Known
38	Tractor Supply	Submersible	80	28	2012	4	4	4	3	1	1	1	1	Not Known	Not Known
39	Valley Oak	Submersible	87	86	2002	4	4	4	3	2	1	1	1	Not Known	Not Known
40	West Gate	Submersible	400	130	2006	4	4	4	3	1	1	2	1	Not Known	Not Known
41	Haley	Submersible	200	36	1993	5	5	5	3	1	1	1	1	Not Known	Not Known
42	Ping	Submersible	200	34	2019	5	5	5	3	1	1	1	1	Not Known	Not Known
43	Sugar Hill	Submersible	500	240	2017	5	5	5	3	1	1	1	1	Not Known	Not Known
44	Walnut	Submersible	200	36	1963	5	5	5	3	1	1	1	1	Not Known	Not Known
45															
46															
47															
48															
49															
50															

Pump Stations - Proposed Projects

	Proposed Project Title	Pump Station Name	Type				Type	Capacity	Total Dynamic Head	Year Planned	If Known		Plans & Specs Approved?	Funding In Place?
			Expansion	Rehab	Replace	Abandon	e.g. submersible, centrifugal, etc.)	gpm	Feet		Manufacturer's Predicted Life	Estimated Project Cost		
											Years	$		
Colun	Column2	Column3	Colun	Colun	Colun	Colun	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15
1	Ferguson – Sanitary Sewer Extensions	Newton Street	x				Grinder	200		2022	20	3500000	No	No
2	Fox Hills No. 1 Pump Station Rehabilitation	Fox Hill				x	Submersible	200		2021	20	732000	No	No
3	Fox Hills No. 1 Pump Station Rehabilitation	Fox Hill	x				Submersible	500		2021	20	732000	No	No
4	27 Phase 2 Sewer Extensions	US-27	x				Submersible	150		2022	20	7500000	Yes	Yes
5	Ferguson – Sanitary Sewer Extensions	Gover Lane	x				Submersible	200		2023	20	3500000	No	No
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

	Treatment Units (Preliminary, Secondary, Disinfection, Advanced, Biosolids, Handling) - Existing													
					Assessment Ratings			Failure Ratings			Renewal and Maintenance Strategy			
	Treatement Units	Unit Process	Numberof Units	Year Installed	Condition	Performance	Reliability	Consequence	Probability	Redundancy	Renewal Strategy	Maintenance Strategy	R&M Date	Estimated Cost of R&M Option $
Colum	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15
1	Preliminary	Mechanical Bar Screen and Conveyer	2	2011	4	5	4	6	1	2	2	1		
2	Secondary	Oxidation Ditches	2	2011	4	5	4	9	1	2	2	1	Aug-21	
3	Secondary	Final Clarifiers	2	2011	3	4	2	8	2	1	6	1		
4	Disinfection	UV High Intensity	1	2011	2	3	2	5	2	1	5	5		
5	Handling	Return Activated Sludge Pumps	4	2011	5	5	5	4	1	3	1	2	Nov-21	
6	Handling	Waste Activated Sludge Pumps	2	2011	4	4	3	4	3	2	5	2		
7	Secondary	Alum	1	2011	3	4	2	6	2	2	5	2		
8	Secondary	Aerobic Digester	2	2011	4	4	4	6	2	2	2	2		
9	Secondary	Aerobic Digester Blowers	1	2011	3	3	2	2	3	2	5	2	Sep-21	
10	Handling	Aerobic Digester Transfer Pumps	2	2011	3	3	2	4	3	1	5	2		
11	Handling	Sludge Holding Tanks	8	1973	4	5	5	4	4	1	1	1		
12														
13														
14														
15														

	Treatment Units - Proposed Projects							
					If Known			
	Proposed Projects	Treatment Unit	Number of Units	Year Planned	Manufacturer's Predicted Life	Estimated Project Cost	Plans & Specs Approved?	Funding In Place?
					Years	$		
Colum	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9
1	Pitman Creek WWTP Dewatering Upgrade	New Sludge Dewatering/Sewage Receiving Facilities	1	2022	20	3000000	Yes	Yes
2	Sinking Creek WWP Septage Receiving Upgrade	I&I Contamination Reduction and Septage Receiving system	1	2022	20	1500000	Yes	Yes
3	Pitman Creek WWTP Grit Removal Upgrade	Grit Removal System	2	2022	25	1500000	Yes	Yes
4								
5								
6								
7								
8								
9								
10								

	Project Priorization						
				Schedule		Cost Estimate	
	Project Title	Location	Brief Description	Start Date	End Date	$	Source of Funding
Colum	Column2	Column3	Column4	Column5	Column6	Column7	Column8
1	Somerset/Bourne Ave Sanitary Sewer Upgrade	Bourne Avenue	Replacement of 3000 LF of existing 8" sanitary sewer and laterals			375000	Local Funds
2	Pitman Creek WWTP Improvements and South US 27 Phase 2 Sewer Extensions	Pitman Creek WWTP	New Sludge dewatering and septage receiving station, in addition to new receiving systems to convey new flow to the system	4/1/2022	3/1/2023	7500000	KIA, EDA
3	Fox Hills No. 1 Pump Station Rehabilitation	Exisiting Woodland Trail Pump Station	Replace exisiting pump with new structure	10/1/2020	4/1/2021	732000	Not Funded
4	Ferguson - Sanitary Sewer Extensions	City of Ferguson	Expand sewer system access to citizens of Ferguson	10/15/2021	5/15/2022	4600000	Not Funded
5							
6							
7							
8							
9							
10							
11							

V. Funding Plan

	Project Title	Overall Project Budget $	Available Funding Amount $	Available Funding Source	Unfunded Amount $
Colun	Column2	Column3	Column4	Column5	Column6
1	Somerset/Bourne Ave Sanitary Sewer Upgrade	375000	375000	Local Funds	0
2	Pitman Creek WWTP Improvements and South US 27 Phase 2 Sewer Extensions	7500000	7500000	KIA, EDA	0
3	Fox Hills No. 1 Pump Station Rehabilitation	732000	0	Not Funded	732000
4	Ferguson - Sanitary Sewer Extensions	4600000	0	Not Funded	4600000
5	Sugar Hill Pumping Station Upgrades	446000	0	Not Funded	446000
6					0
7					0
8					0
9					0
10					0
11					0

VI. COPIES OF SUPPORTING DOCUMENTATION

All regional planning agencies must provide copies of the supporting documentation listed below. Copies should be attached to this form.

- ☑ 1. Regional planning agency organization chart (including names of members)
- ☑ 2. Sewer use ordinance
- ☑ 3. Current user rate schedule
- ☑ 4. Wastewater system maps- (a) One (1) up-to-date map, suitable for photocopying, should indicate the planning area boundary, service area boundary, watershed boundaries, county boundaries, adjacent populated places, cities and/or towns, surface waterbodies, drinking water supply areas; (b) Up-to-date map(s), suitable for photocopying, including locations of wastewater treatment facilities (including package treatment plant(s)), discharge location(s), collection lines (gravity, force main, interceptors), and pump stations.
- ☐ 5. A list of wastewater systems studies since the last planning update (e.g., Infiltration& inflow reports, CSO reports, sewer system evaluation studies, on-site/cluster system reports, other relevant reports.)

VII. CERTIFICATION. Signature is required to guarantee the validity of the data.

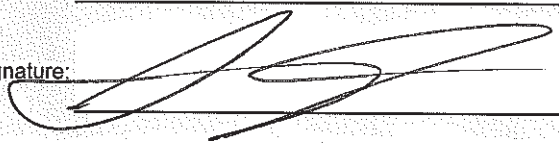
This section must be certified by an elected official (e.g. Mayor, County Judge Executive) **AND** a designated official representing the regional planning agency (e.g. Kentucky licensed professional engineer employed by or under contract with the regional planning agency, Public Works Director, General Manager, Superintendent)

Local Elected Official

I certify the information entered in this form is accurate to the best of my knowledge.

Name: Alan Keck

Title: Mayor

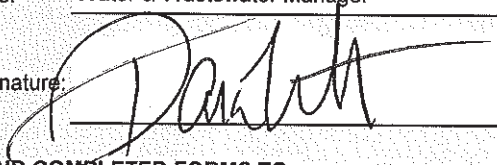
Signature:  Date: 1-18-22

Designated Official

I certify the information entered in this form is accurate to the best of my knowledge.

Name: Dana Whitis

Title: Water & Wastewater Manager

Signature:  Date: 1-18-22

SEND COMPLETED FORMS TO:

Division of Water
Wastewater Municipal Planning Section
300 Sower Boulevard, 3rd Floor
Frankfort, Kentucky 40601

For additional information, call (502) 564-3410.

REGIONAL PLANNING AGENCY ORGANIZATIONAL CHARTS

LCADD Contact:

Chairperson	Phone	Address	Email
Martina Hadley	270-866-4200	PO Box 1570 Russell Springs, KY 42642	martina@lcadd.org

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AWMPC Chairperson(s):

Chairperson	Entity	Title
Mike Anderson	Fiscal Court	County Judge/Executive

AWMPC Vice Chairperson(s):

Vice Chairperson	Entity	Title
John Frank	Fiscal Court	County Judge/Executive

AWMPC Executive Committee Members(s):

County	Entity	Member	Title
Casey	Fiscal Court	Randy Dial	County Judge/Executive
Clinton	Albany Municipal Water & Sewer	Lyle Pierce	Mayor
Cumberland	Fiscal Court	John Phelps	County Judge/Executive
Green	Fiscal Court	John Frank	County Judge/Executive
Pulaski	Burnside Water Works	Robert Lawson	Mayor
Russell	Russell Springs Sewer & Water Works	Eddie Thomas	Mayor
Taylor	Campbellsville Municipal Water & Sewer System	Diane Ford-Benningfield	Mayor
Wayne	Fiscal Court	Mike Anderson	County Judge/Executive

County	Entity	Member	Title
Regional	Bronston Water Association, Inc.	Charles Cassada	President
Regional	Dale Hollow Lake State Resort Park	Allen Duvall	Park Manager
Regional	Eubank Water System	Eddie Hicks	Mayor
Regional	Green-Taylor Water District	Bill Netherlands	Chairman
Regional	Lake Cumberland District Health Department	Amy Tomlinson	Executive Director
Regional	Western Pulaski County Water District	Don Calder	Chairman
Adair	Adair County Health Center	Corey Patterson	Environmental Services
Adair	Columbia/Adair Utilities District	William Harris	Chairman
Adair	Fiscal Court	Gale Cowan	County Judge/Executive
Casey	Casey County Health Center	Daniel Bell	Environmental Services
Casey	East Casey County Water District	Eddie Wesley	Assistant Manager
Casey	Fiscal Court	Randy Dial	County Judge/Executive
Casey	Liberty Water & Gas	Steven Brown	Mayor
Clinton	Albany Municipal Water & Sewer	Lyle Pierce	Mayor
Clinton	Clinton County Health Center	Chasity Patterson	Environmental Services
Clinton	Fiscal Court	Ricky Craig	County Judge/Executive
Cumberland	Burkesville Municipal Water Works	Billy Guffey	Mayor
Cumberland	Burkesville Wastewater	Billy Guffey	Mayor
Cumberland	Cumberland County Health Center	Chasity Patterson	Environmental Services
Cumberland	Cumberland County Water District	Alvin Pharis	Chairman
Cumberland	Fiscal Court	John Phelps	County Judge/Executive
Green	Fiscal Court	John Frank	County Judge/Executive
Green	Green County Health Center	Tim Green	Environmental Services
Green	Greensburg Sewer Department	John Michael Shuffett	Mayor
Green	Greensburg Water Department	John Michael Shuffett	Mayor
Green	Sanitation District #1 of Green County	Barbie Milby	Chairman
McCreary	Fiscal Court	Jimmie Greene	County Judge/Executive
McCreary	McCreary County Health Center	Jarrod Simpson	Environmental Services
McCreary	McCreary County Water District	Stephen Whitaker	Manager/Superintendent
Pulaski	Burnside Water Works	Robert Lawson	Mayor
Pulaski	Fiscal Court	Steve Kelley	County Judge/Executive
Pulaski	General Burnside Island State Park	Mike Lynn	Park Manager
Pulaski	Pulaski County Health Center	Jeremy Hamilton	Environmental Services
Pulaski	Science Hill Sewer	Mike Hall	Mayor
Pulaski	Science Hill Water Works	Mike Hall	Mayor
Pulaski	Somerset Utilities	Alan Keck	Mayor
Pulaski	Southeastern Water Association	Joe Crawford	President
Pulaski	Woodson Bend Property Owners Association	Mark Sloan	General Manager
Russell	Fiscal Court	Gary Robertson	County Judge/Executive
Russell	Jamestown Utilities	Nick Shearer	Mayor
Russell	Lake Cumberland State Resort Park	Eddie Moore	Park Manager

Russell	Russell County Health Center	Jonathan Dye	Environmental Services
Russell	Russell Springs Sewer & Water Works	Eddie Thomas	Mayor
Taylor	Campbellsville Municipal Water & Sewer System	Diane Ford-Benningfield	Mayor
Taylor	Fiscal Court	Barry Smith	County Judge/Executive
Taylor	Green River Lake State Park	Dollie Cruse	Park Manager
Taylor	Taylor County Health Center	Environmentalist	Environmental Services
Wayne	Fiscal Court	Mike Anderson	County Judge/Executive
Wayne	Monticello Utility Commission	Tracie Sexton	Mayor
Wayne	Wayne County Health Center	Lora Spears	Environmental Services

SEWER USE ORDINANCE

ORDINANCE NO. 91-27

An ordinance regulating the use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers, and the discharge of waters and wastes into the public sewer system, pretreatment by industrial users, inspection and reporting, and providing penalties for violation thereof, in and for all users of the sewer system of the City of Somerset, Kentucky and combining and revising similar ordinances numbered 649, 84-8, 84-16, 84-17.

WHEREAS, in the interests of the public health, safety, convenience, and general welfare, and in order to comply with certain regulations of State and Federal agencies, the city has determined that it will be necessary to expand, update, make additions thereto, strengthen and clarify various articles and sections thereof of the present ordinance;

NOW, THEREFORE, THE COMMON COUNCIL OF THE CITY OF SOMERSET, KENTUCKY, DOES ORDAIN AS FOLLOWS:

It is hereby ordained and ordered that Ordinances Nos. 649, 84-8, 84-16, 84-17 are rescinded in their entirety and replaced by this ordinance as follows:

First Reading October 14, 1991

Second Reading October 28, 1991

APPROVED: _____
MAYOR

ATTEST: _____
CITY CLERK

NOTE: THE COMPLETE ORDINANCE MAY BE SEEN AT THE CITY CLERK'S OFFICE AT CITY HALL 400 E. MT. VERNON ST., SOMERSET, KENTUCKY. OFFICE HOURS MON. - FRI. 8:00 A.M. to 4:30 P.M.

Ordinance 91-27

An ordinance regulating the use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers, and the discharge of waters and wastes into the public sewer system, pretreatment by industrial users, inspection and reporting, and providing penalties for violation thereof, in and for all users of the sewer system of the City of Somerset, Kentucky and combining and revising similar ordinances numbered 649, 84-8, 84-16, 84-17.

WHEREAS, in the interests of the public health, safety, convenience, and general welfare, and in order to comply with certain regulations of State and Federal agencies, the city has determined that it will be necessary to expand, update, make additions thereto, strengthen and clarify various articles and sections thereof of the present ordinance;

NOW, THEREFORE, THE COMMON COUNCIL OF THE CITY OF SOMERSET, KENTUCKY, DOES ORDAIN AS FOLLOWS:

It is hereby ordained and ordered that Ordinances Nos. 649, 84-8, 84-16, 84-17 are rescinded in their entirety and replaced by this ordinance as follows:

First Reading October 14, 1991

Second Reading October 28, 1991

ENFORCEMENT RESPONSE PLAN
SOMERSET SEWER DEPARTMENT
SOMERSET, KENTUCKY

FEBRUARY, 1991

PREPARED BY:

HOWARD K. BELL, CONSULTING ENGINEERS, INC.
LEXINGTON, KENTUCKY

INDEX

ENFORCEMENT RESPONSE PLAN
OF THE MUNICIPAL PRETREATMENT PROGRAM
SOMERSET SEWER DEPARTMENT
SOMERSET, KENTUCKY

I. INTRODUCTION

The United States Environmental Protection Agency by Regulation 40 CFR 403.8(f)(5) requires that Publicly Owned Treatment Works (POTW) with approved pretreatment programs must develop and implement an enforcement response plan. The plan shall contain detailed procedures indicating how a POTW will investigate and respond to instances of industrial user non-compliance and shall, at a minimum:

1. Describe how the POTW will investigate instances of non-compliance.

2. Describe the types of escalating enforcement responses the POTW will take in response to all anticipated types of industrial user violations and the time periods within which responses will take place.

3. Identify by title the officials responsible for implementing each type of enforcement response.

4. Adequately reflect the POTW's primary responsibility to enforce all applicable pretreatment requirements and standards as provided in 40 CFR(f)(1) and (2).

II. PROVISIONS FOR ENFORCEMENT IN THE SEWER USE ORDINANCE

1. The authority for the enforcement of the Enforcement Response Plan is contained in the Sewer Use Ordinance (copies attached):

   IX Powers and Authority of Inspectors
   X Enforcement
   XI Penalties

2. The enforcement will be a responsibility of the Somerset Sewer Department acting through its attorney, superintendent, pretreatment coordinator and inspectors.

3. Pretreatment Coordinator and Superintendent will conduct industrial inspections. It is required that industrial samples be collected by a contract laboratory who will provide chain of custody procedures.

4. Violations will be identified by the routine review of monitoring reports and inspection reports.

III. ENFORCEMENT RESPONSE GUIDE

1. Description of Terms

AO	Administrative Order
Civil Litigation	Civil litigation against the industrial user seeking equitable relief, monetary penalties and actual damages.
Criminal Prosecution	Pursuing punitive measures against an individual and/or organization through a court of law.
Fine	Monetary penalty assessed by Control Authority Sewer Department) officials. Fines should be assessed by the pretreatment coordinator or the Superintendent.
I	Inspectors, as designated by the Superintendent.
IU	Industrial User.
Meeting	Informal compliance meeting with the IU to resolve recurring non-compliance.
NOV	Notice of Violation.
PC	Pretreatment Coordinator.
S	Superintendent of the Sewer Department.
SV	Significant Violation.
Show Cause	Formal meeting requiring the IU to appear and demonstrate why the Control Authority should not take a proposed enforcement action against it. The meeting may also serve as a forum to discuss corrective actions and compliance schedules.

2. Enforcement Response Guide

Unauthorized Discharges (No permit)

Noncompliance	Nature of Violation	Enforcement Responses	Fine	Personnel
1. Unpermitted discharge	IU unaware of requirement; no harm to POTW/ environment	Phone call; NOV with application form, fine	$250	PC
	IU unaware of requirement; harm to POTW	- AO with fine - Civil action	$1000	PC S
	Failure to apply continues after notice by the POTW	- Civil action - Criminal investigation - Terminate service		S S S
2. Nonpermitted discharge (failure to renew)	IU has not submitted application within 10 days of due date	Phone call; NOV/fine	$50	PC

Discharge Limit Violation

1. Exceedance of local or Federal Standard (permit limit)	Isolated, not significant, 1-3 times/year	Phone call; NOV/fine	$25-500	PC, S
	Significant violation	AO to develop prevention plan and fine	$500-$1000	S
	Recurring more than 3 times/year	AO with fine - Show cause order - Terminate service - Civil action	$1000	S S S S

MONITORING AND REPORTING VIOLATIONS

1. Reporting violation	Report is improperly signed or certified	Phone call or NOV		PC
	Report is improperly signed or certified after notice by POTW	- AO with fine - Show cause order	$50	S S
	Isolated, not significant (e.g. 5 days late)	Phone call; NOV		PC
	Significant (e.g. report 5 days or more late)	AO to submit with fine per additional day	$50	S

Noncompliance	Nature of Violation	Enforcement Responses	Fine	Personnel
	Reports are late 50% or more or no reports at all	- AO with fine - Show cause order - Civil action	$1000	S S S
	Failure to report spill or changed discharge	NOV		S
		- AO with fine - Civil action	$50-1000	S S
	Repeated failure to report spills	- AO with fine, show cause order - Terminate water and wastewater service	$1000/day	S S S
	Falsification	- Criminal investigation - Terminate water and wastewater service		S S
2. Failure to monitor correctly	Failure to monitor all pollutants as required by permit	Telephone call or NOV or AO		PC, S
	Recurring failure to monitor	- AO with fine - Civil action	$100-500	PC S
3. Improper sampling	Evidence of intent	- Criminal investigation - Terminate water & wastewater service		S S
4. Failure to install monitoring equip.	Delay of less than 30 days	NOV		PC
	Delay of 30 days or more	AO to install with fine for each additional day	$100	S
	Recurring, violation of AO	- Civil action - Criminal investigation - Terminate water and wastewater service		S S S
5. Compliance schedules (in permit)	Missed milestone by less than 30 days, or will not affect final milestone	NOV or AO with fine	$100	S
	Missed milestone by more than 30 days, or will affect final milestone (good cause for delay)	AO with fine	$500	S

Noncompliance	Nature of Violation	Enforcement Responses	Fine	Personnel
	Missed milestone by more than 30 days, or will affect final milestone (no good cause for delay)	- Show cause order - Civil action - Terminate water and wastewater service		S S S
OTHER PERMIT VIOLATIONS				
1. Wastestreams are diluted in lieu of treatment	Initial violation	AO with fine	$500	S
	Recurring	AO with fine - Show cause order - Terminate service	$1000	S S S
2. Failure to mitigate noncompliance or halt production		AO w/fine - Terminate service	$1000	S S
3. Failure to operate and maintain pretreatment facilities and equipment		AO w/fine	$500-$1000	S
VIOLATIONS DETECTED DURING SITE VISITS				
1. Entry denial	Entry denied or consent withdrawn; copies of records denied	Obtain warrant and return to IU		S
2. Illegal discharge	Discharge of non-permitted wastes to POTW	AO with fine - Civil action - Criminal investigation - Terminate service	$1000	S S S S
3. Improper sampling	Sampling at incorrect location; taking incorrect sample type; using incorrect sampling technique	NOV		S
4. Inadequate record-keeping	Inspector finds files incomplete to missing (no evidence of intent)	NOV		I,PC,S
	Recurring	AO with fine	$100	S
5. Failure to report additional monitoring	Inspection finds additional files	NOV		PC
	Recurring	AO with fine	$500	S

TIMEFRAMES FOR RESPONSES

A. All violations will be identified and documented within five days of receiving compliance information.

B. Initial enforcement responses (involving contact with the industrial user and requesting information on corrective or preventive action(s)) will occur within 15 days of violation detection.

C. Follow-up actions for continuing or reoccurring violations will be taken within 60 days of the initial enforcement response. For all continuing violations, the response will include a compliance schedule.

D. Violations which threaten health, property or environmental quality are considered emergencies and will receive immediate responses such as halting the discharge or terminating service.

E. All violations meeting the criteria for significant noncompliance will be addressed with an enforceable order within 30 days of the identification of significant noncompliance.

IV. ENFORCEMENT RESPONSE

A. Notice of Violation

The Notice of Violation (NOV) is issued for relatively minor or infrequent violations of pretreatment standards and requirements, and can be an effective response for several reasons. First, the NOV provides the industrial user with an opportunity to correct non-compliance on its own initiative rather than according to a schedule of actions determined by City and thus fosters a cooperative environment between the industrial user and the City. Second, the NOV documents the initial attempts of City to resolve the non-compliance. Should circumstances require the City to subsequently take a more stringent approach, the NOV established that the City escalated its response according to its enforcement response plan, rather than reacting to the non-compliance with arbitrary or unnecessarily harsh enforcement. Finally, by providing the City with an inexpensive and prompt response to violations, the NOV demonstrates to the regulated community the viability of the City's enforcement program.

The Notice of Violation may be used to notify the user that a fine has been assessed. The NOV should include a provision explaining that the fine will be added to the next bill for sewer service.

B. Administrative Penalties

(1) An administrative penalty is the monetary penalty assessed by the City for violations of pretreatment standards and requirements. Administrative fines are the most effective response to user non-compliance because they may be assessed at the Superintendent's discretion and the amount of the fines may be determined on an individual basis. Administrative fines differ from civil penalties (penalties imposed through court proceedings) since fines are assessed by City directly and do not require court intervention. Administrative fines are punitive in nature and are not related to a specific cost borne by City. Instead, fines are to recapture the full or partial economic benefit of non-compliance, and to deter future violations.

(2) Consideration in Assessing Penalties: Administrative penalties are an escalated enforcement response particularly when NOVs or Administrative Orders have not prompted a return to compliance. When using this enforcement response either singly or in conjunction with another response (e.g. an administrative order requiring the industrial user to take steps to return to compliance), the CUC should consider the following factors:

(a) The type and severity of the violation.

(b) The number of violations cited.

(c) The duration of non-compliance.

(d) The impact of the violation on the wastewater treatment plant and the environment (e.g. whether the violation caused pass through or interference).

(e) Whether the violation threatened human health.

(f) Whether the industrial user derived any economic benefit or savings from the non-compliance.

(g) The compliance history of the user.

(h) Whether the user is making good faith efforts to restore compliance.

(i) Other policy considerations normally involved in an enforcement decision.

Penalties are particularly appropriate when: The industrial user remains in non-compliance after receiving repeated NOVs; the industrial user violates terms of an administrative order (such as failing to meet a compliance schedule deadline.

C. Administrative Orders

(1) Administrative Orders (AO) are enforcement documents which direct industrial users to undertake or cease specified activities. The terms of AOs may or may not be negotiated with industrial users. Administrative orders should be the first formal response to significant non-compliance (unless judicial proceedings are more appropriate), and may incorporate compliance schedules, administrative penalties, and termination of service orders.

The four common types of administrative orders are:

Cease and desist orders
Consent orders
Show cause orders
Compliance orders.

(2) Elements of Administrative Orders

(a) Title. The title should specify the type of order being issued, summarize the purpose(s) of the order, contain an identification number, and be printed on the letterhead of City Sewer Department.

(b) Legal authority. The authority under which the order is issued, i.e. its enabling legislation and/or sewer use ordinance (with complete citations to state law and ordinance provisions) should be provided.

(c) Finding of non-compliance. All violations must be carefully described, including date(s), the specific permit conditions/ordinance provisions violated, and any damages attributed to the violation.

(d) Ordered activity. All orders should clearly set out all ordered activity, including installation of treatment technology, additional monitoring, appearance at a show cause hearing, etc.

(e) Milestone dates for corrective actions. Where compliance schedules are used, all progress or "milestone" dates must be clearly established, including due dates for any required written reports.

(f) Standard clauses. Standard clause(s) which provide that (1) compliance with terms and conditions of the AO will not be construed to relieve the user of its obligation to comply with applicable Federal, State or local law; (2) violation of the AO itself may subject the user to all penalties available under the sewer use ordinance; (3) no provision of the order will be construed to limit the City's authority

to issue supplementary or additional orders ortake other action deemed necessary to implement its pretreatment program; and (4) the provisions of the order should be binding upon the user, its officers, directors, agents, employees, successors, assigns, and all persons, firms and corporations acting under, through or on behalf of the user.

(3) Types of Administrative Orders

(a) Cease and desist orders. A cease and desist order directs a non-compliant user to cease illegal or unauthorized discharges immediately or to terminate its discharge altogether. A cease and desist order should be used in situations where the discharge could cause interference or pass through, or otherwise create an emergency situation. The order may be issued immediately upon discovery of the problem or following a hearing.

(b) Consent orders. The consent order combines the force of an AO with the flexibility of a negotiated settlement. The consent order is an agreement between the Control Authority (City) and the industrial user normally containing three elements: (1) compliance schedules; (2) stipulated fines or remedial actions; and (3) signatures of City and industry representatives.

(c) Show cause orders. An order to show cause directs the user to appear before the City, explain its non-compliance, and show cause why more severe enforcement actions against the user should not go forward. The order to show cause is typically issued after informal contacts or NOVs have failed to resolve the non-compliance. However, the show cause order/hearing can also be used to investigate violations of previous orders.

The show cause hearing can be conducted by the City's attorney, its Consulting Engineer designated by the City, the Superintendent, or an impartial official designated by the City.

(d) Compliance orders. A compliance order directs the user to achieve or restore compliance by a date specified in the order. It is issued unilaterally and its terms need not be discussed with the industry in advance. The compliance order is usually issued when non-compliance cannot be resolved without construction, repair, or process changes. Compliance orders are also frequently used to require industrial users to develop management practices, spill prevention programs, and related City pretreatment program requirements.

D. Civil Litigation

Civil litigation is the formal process of filing lawsuits against industrial users to secure court ordered action to correct violations and to secure penalties for violations including the recovery of costs to the POTW of the non-compliance. It is normally pursued when the corrective action required is costly and complex, the penalty to be assessed exceeds that which the City can assess administratively, or when the industrial user is considered to be recalcitrant and unwilling to cooperate. The term "civil litigation" also includes enforcement measures which require involvement or approval by the courts, such as injunctive relief and settlement agreements. Civil litigation is similar to criminal prosecution in that it requires the full cooperation of the attorney and may result in court trials of industrial users and assessment of penalties. However, civil litigation is conducted for different purposes and requires a less stringent burden of proof in order for the City to prevail. The Superintendent will collect evidence for use in judicial litigation.

E. Termination of Sewer Service and Potable Water Service

Termination of service is the revocation of an industrial user's privilege to discharge industrial wastewater into the City sewer system, and the revocation of an IU's potable water supply. Termination may be accomplished by physical severance of the industry's connection to the collection system and potable water supply system, by issuance of an AO which compels the user to terminate its discharge, or by a court ruling. However, since termination of service may force industries to halt production and may force closure (if discharge privileges are not reinstated), the City must carefully consider all of the legal and operational implications of termination before using this enforcement response.

V. IMPLEMENTATION OF ENFORCEMENT RESPONSES

A. Responsibility

The pretreatment coordinator will be responsible for determining that a violation has occurred and with the Superintendent's concurrence will determine the type of response that is required (see Enforcement Response Guide).

B. Time Frames for Responses (see Enforcement Response Guide)

Notice of violation will be issued within five days of the detection of the violation either by inspection or analysis of discharge, or failure to report, etc.

Administrative orders will be issued within fifteen days of the detection of the violation except in the case of cease and desist orders which should be issued upon discovery of the problem or following a hearing.

C. Tracking

Violations will be determined by inspections, user reports, POTW and users monitoring reports. Response dates and compliance dates set by administrative orders will be tracked by the pretreatment coordinator.

D. Dollar Amount of Penalties

The dollar amounts of penalties and fines will follow the general guidelines in the Enforcement Response Guide.

EXAMPLE NOV

DIVISION OF WATER AND WASTEWATER SERVICES

[NAME OF CITY]

IN THE MATTER OF

NAME OF INDUSTRY
ADDRESS

*
*
*
*
*
*
*

NOTICE OF VIOLATION

LEGAL AUTHORITY

The following findings are made and notice issued pursuant to the authority vested in the Superintendent of Wastewater Services, under Section __ of the City's Sewer Use Ordinance. This order is based on findings of violation of the conditions of the wastewater discharge permit issued under Section __ of the City's Sewer Use Ordinance.

FINDINGS

1. *[Name of City] is charged with construction, maintenance, and control of the sewer system and treatment works.*

2. *To protect the sewer system and treatment works, [Name of City] administers a pretreatment program.*

3. *Under this pretreatment program, [Name of Industry] was issued a discharge permit.*

4. *The discharge permit issued to [Name of Industry] contained numerical limits on the quality of pollutants, which [Name of Industry] could discharge and self monitoring requirements.*

5. *On [Date], pollutant analysis revealed that the quantity of [pollutant] exceeded the permit limitation.*

NOTICE

THEREFORE, BASED ON THE ABOVE FINDINGS, [NAME OF INDUSTRY] IS HEREBY NOTIFIED THAT:

1. *It is in violation of its discharge permit and the sewer use ordinance of [Name of City].*

Signed: _____

[Name]
Superintendent of Sewer Services
[Address]

FIGURE 5-1.1

EXAMPLE CEASE AND DESIST ORDER

DIVISION OF WATER AND WASTEWATER SERVICES

[NAME OF CITY]

IN THE MATTER OF

NAME OF INDUSTRY
ADDRESS

*
*
*
*
*
*
*

CEASE AND DESIST ORDER

LEGAL AUTHORITY

The following findings are made and order issued pursuant to the authority vested in the Superintendent of Wastewater Services, under Section ___ of the City's Sewer Use Ordinance. This order is based on findings of violation of the conditions of the wastewater discharge permit issued under Section ___ of the City's Sewer Use Ordinance.

FINDINGS

1. *[Industry] discharges nondomestic wastewater containing pollutants into the sanitary sewer system of the City of _____.*

2. *[Industry] is a "significant industrial user" as defined by Section ___ of the City's Sewer Use Ordinance.*

3. *[Industry] was issued a wastewater discharge permit on January 1, 1988 which contains prohibitions, restrictions, and other limitations on the quality of the wastewater it discharges to the sanitary sewer.*

4. *Pursuant to the ordinance and the above-referenced permit, data is routinely collected or submitted on the compliance status of [Industry].*

5. *This data shows that [Industry] has violated the Sewer Use Ordinance in the following manner:*

   a. *[Industry] has continuously violated its permit limits for copper and zinc in each sample collected between January, 1986 and January, 1989.*

   b. *[Industry] has also failed to comply with an administrative compliance order requiring the installation of a pretreatment system and the achievement of compliance with its permit limits by July 1, 1989.*

   c. *[Industry] has failed to appear at a show cause hearing pursuant to an order requiring said attendance.*

FIGURE 5-3.1

ORDER

THEREFORE, BASED ON THE ABOVE FINDINGS, [INDUSTRY] IS HEREBY ORDERED TO:

1. *Within 24 hours of receiving this order, cease all nondomestic discharges into the City's sanitary sewer. Such discharges shall not recommence until such time as [Industry] is able to demonstrate that it will comply with its current permit limits.*

2. *Failure to comply with this order may subject [Industry] to having its connection to the sanitary sewer sealed by the City, and assessed the costs therefor.*

3. *Failure to comply with this order shall also constitute a further violation of the sewer use ordinance and may subject [Industry] to civil or criminal penalties or such other enforcement response as may be appropriate.*

4. *This order, entered this 12th day of August, 1989, shall be effective upon receipt by [Industry].*

Signed: _____

[Name]
Superintendent of Sewer Services
[City] Municipal Building
[Address]

FIGURE 5-3.1 (Continued)

EXAMPLE CONSENT ORDER

DIVISION OF WATER AND WASTEWATER SERVICES

[NAME OF CITY]

IN THE MATTER OF

NAME OF INDUSTRY
ADDRESS

*
*
*
*
*
*
*

SUPERINTENDENT OF SEWER SERVICES
ADDRESS

CONSENT ORDER

WHEREAS, the City of ____ Division of Sewer Services pursuant to the powers, duties and responsibilities vested in and imposed upon the Superintendent by provisions of the City's Sewer Use Ordinance, have conducted an ongoing investigation of [Industry] and have determined that:

1. *The City owns and operates a wastewater treatment plant which is adversely impacted by discharges from industrial users, including [Industry], and has implemented a pretreatment program to control such discharges.*

2. *[Industry] has consistently violated the pollutant limits in its wastewater discharge permit as set forth in Exhibit 1, attached hereto.*

3. *Therefore, to ensure that [Industry] is brought into compliance with its permit limits at the earliest possible date, IT IS HEREBY AGREED AND ORDERED, BETWEEN [Industry] AND THE SUPERINTENDENT OF SEWER SERVICES FOR THE CITY OF _____, that [Industry] shall:*

   a. *By July 15, 1989, obtain the services of a licensed professional engineer specializing in wastewater treatment for the purpose of designing a pretreatment system which will bring [Industry] into compliance with its wastewater discharge permit.*

   b. *By September, 30, 1989, submit plans and specifications for the proposed pretreatment system to the City for review.*

   c. *By December 31, 1989, install the pretreatment system in accordance with the plans and specifications submitted in item b above.*

   d. *By January 15, 1989, achieve compliance with the limits set forth in Exhibit 1.*

   e. *[Industry] shall pay $1,000 per day for each and every day it fails to comply with the schedule set out in items a-d above. The $1,000 per day penalty shall be paid to the cashier of the Division of Sewer Services within 5 days of being demanded by the City.*

FIGURE 5-3.2

4. *In the event [Industry] fails to comply with any of the deadlines set forth, [Industry] shall, within one (1) working day after expiration of the deadline, notify the City in writing. This notice shall describe the reasons for [Industry]'s failure to comply, the additional amount of time needed to complete the remaining work, and the steps to be taken to avoid future delays. This notification in no way excuses [Industry] from its responsibility to meet any later milestones required by this Consent Order.*

5. *Compliance with the terms and conditions of this Consent Order shall not be construed to relieve [Industry] of its obligation to comply with its wastewater discharge permit which remains in full force and effect. The City reserves the right to seek any and all remedies available to it under Section ___ of the City's Sewer Use Ordinance for any violation cited by this order.*

6. *Violation of this Consent Order shall constitute a further violation of the City's Sewer Use Ordinance and subjects [Industry] to all penalties described by Section ___ of the Sewer Use Ordinance.*

7. *Nothing in this Consent Order shall be construed to limit any authority of the City to issue any other orders or take any other action which it deems necessary to protect the wastewater treatment plant, the environment or the public health and safety.*

SIGNATORIES

FOR [INDUSTRY]

_____ _____

Date **Name**
[Industry]

FOR [NAME OF CITY]

_____ _____

Date **Name**
Superintendent of Sewer Services
Address

FIGURE 5-3.2 (Continued)

EXAMPLE SHOW CAUSE ORDER

DIVISION OF WATER AND WASTEWATER SERVICES

[NAME OF CITY]

IN THE MATTER OF

[NAME OF INDUSTRY]
ADDRESS

*
*
*
*
*
*
*

ADMINISTRATIVE

SHOW CAUSE ORDER

LEGAL AUTHORITY

The following findings are made and order issued pursuant to the authority vested in the Superintendent of Wastewater Services, under Section ___ of the City's Sewer Use Ordinance. This order is based on findings of violation of the conditions of the wastewater discharge permit issued under Section ___ of the City's Sewer Use Ordinance.

FINDINGS

1. *[Industry] discharges nondomestic wastewater containing pollutants into the sanitary sewer system of the City of ___ (hereafter; "City").*

2. *[Industry] is a "significant industrial user" as defined by Section ___ of the City's Sewer Use Ordinance.*

3. *[Industry] was issued a wastewater discharge permit on January 1, 1988, which contains prohibitions, restrictions, and other limitations on the quality of the wastewater it discharges to the sanitary sewer.*

4. *Pursuant to the ordinance and the above-referenced permit, data is routinely collected or submitted on the compliance status of [Industry].*

5. *This data shows that [Industry] has violated its wastewater discharge permit in the following manner:*

   a. *[Industry] has violated its permit limits for copper and zinc in each sample collected between January, 1988, and January, 1989, for a total of 24 separate violations of the permit.*

   b. *[Industry] has failed to submit a periodic compliance report due March 31, 1989.*

   c. *All of these violations satisfy the City's definition of significant violation.*

FIGURE 5-3.3

ORDER

THEREFORE, BASED ON THE ABOVE FINDINGS, [INDUSTRY] IS HEREBY ORDERED TO:

1. *Appear at a meeting with the Superintendent of Sewer Services to be held on June 21, 1989, at 2:00 p.m., in room 211 of the Municipal Building.*

2. *At this meeting, [Industry] must demonstrate why the City should not pursue a judicial enforcement action against [Industry] at this time.*

3. *This meeting will be closed to the public.*

4. *Representatives of [Industry] may be accompanied by legal counsel if they so choose.*

5. *Failure to comply with this order shall also constitute a further violation of the Sewer Use Ordinance and may subject [Industry] to civil or criminal penalties or such other appropriate enforcement response as may be appropriate.*

6. *This order, entered this 19th day of May, 1989, shall be effective upon receipt by [Industry].*

Signed: _____

[Name]
Superintendent of Sewer Services
[Address]

FIGURE 5-3.3 (Continued)

EXAMPLE COMPLIANCE ORDER

DIVISION OF WATER AND WASTEWATER SERVICES

[NAME OF CITY]

IN THE MATTER OF	*	
	*	ADMINISTRATIVE
[NAME OF INDUSTRY]	*	
[ADDRESS]	*	COMPLIANCE ORDER
	*	
	*	
	*	

LEGAL AUTHORITY

The following findings are made and order issued pursuant to the authority vested in the Superintendent of Wastewater Services, under Section ___ of the City's Sewer Use Ordinance. This order is based on findings of violation of the conditions of the wastewater discharge permit issued under Section ___ of the City's Sewer Use Ordinance.

FINDINGS

1. *[Industry] discharges nondomestic wastewater containing pollutants into the sanitary sewer system of the City of _____ (hereafter, "City").*

2. *[Industry] is a "significant industrial user" as defined by Section ___ of the City's Sewer Use Ordinance.*

3. *[Industry] was issued a wastewater discharge permit on January 1, 1988, which contains prohibitions, restrictions, and other limitations on the quality of the wastewater it discharges to the sanitary sewer.*

4. *Pursuant to the ordinance and the above-referenced permit, data is routinely collected or submitted on the compliance status of [Industry].*

5. *This data shows that [Industry] has violated its wastewater discharge permit in the following manner:*

   a. *[Industry] has violated its permit limits for copper and zinc in each sample collected between January, 1988, and January, 1989, for a total of 24 separate violations of the permit.*

   b. *[Industry] has failed to submit all periodic compliance reports due since March 31, 1989.*

   c. *All of these violations satisfy the City's definition of significant violation.*

FIGURE 5-3.4

APPROVED LOCAL LIMITS

APPROVED LOCAL LIMITS 2020

POLLUTANT	OLD LIMIT	DAILY MAXIMUM mg/l
Arsenic	0.05	0.22
Cadmium	0.033	0.012
Chromium, Total	1.00	1.00
Chromium, Hexavalent	0.17	0.51
Copper	0.87	0.09
Cyanide, Free	0.05	0.11
Iron	119.00	3.49
Lead	0.09	0.11
~~Manganese~~	0.21	REMOVED
Mercury	0.0005	0.0005
Molybdenum	0.21	0.18
Nickel	0.38	0.79
Selenium	0.40	0.09
Silver	0.50	0.14
Zinc	1.25	2.00
~~Total Phosphorus~~	31.0	REMOVED

RELEVANT AMENDMENTS

ORDINANCE NO. 00-04

AN ORDINANCE TO THE CITY OF SOMERSET, KENTUCKY, AMENDING ORDINANCES NO. 84-4, 87-11, 95-35 AND 98-9 AND ANY OTHER APPLICABLE ORDINANCES ESTABLISHING RATES AND CHARGES FOR USE OF THE SERVICES AND FACILITIES OF THE MUNICIPAL SEWER COMPANY.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF SOMERSET, KENTUCKY:

1. The basic sewer rate for all commercial and residential users of sewer outside the city limits of the City of Somerset shall be 124% of the rates paid for the same service within the city limits.

2. This Ordinance shall become effective immediately upon the passage and publication of this Ordinance.

FIRST READING: January 24, 2000

SECOND READING: February 14, 2000

APPROVED:

MAYOR

ATTEST:

CITY CLERK

ORDINANCE NO. 00-07

AN ORDINANCE TO THE CITY OF SOMERSET, KENTUCKY, AMENDING ORDINANCES NO. 84-4, 87-11, 95-35 AND 98-9 AND ANY OTHER APPLICABLE ORDINANCES ESTABLISHING RATES AND CHARGES FOR USE OF THE SERVICES AND FACILITIES OF THE MUNICIPAL SEWER COMPANY.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF SOMERSET, KENTUCKY:

1. As of July 1, 2000 all charges of the municipal sewer company for the subsequent year and following years, that is from July 1, 2000 to July 1, 2001, July 1, 2001 to July 1, 2002, etc., shall be raised directly proportional to the annual inflationary rate for the previous year as provided to the City by the Kentucky League of Cities.

2. This Ordinance shall become effective immediately upon the passage and publication of this Ordinance.

FIRST READING: January 24, 2000

SECOND READING: February 14, 2000

APPROVED:

MAYOR

ATTEST:

CITY CLERK

ORDINANCE NO. 00-13

AN ORDINANCE TO THE CITY OF SOMERSET, KENTUCKY, AMENDING ORDINANCE NO. 00-04 AND ANY OTHER APPLICABLE ORDINANCES ESTABLISHING RATES AND CHARGES FOR USE OF THE SERVICES AND FACILITIES OF THE MUNICIPAL SEWER COMPANY.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF SOMERSET, KENTUCKY:

1. The basic sewer rate for all commercial, institutional and residential users of sewer outside the city limits of the City of Somerset shall be 124% of the rates paid for the same service within the city limits.

2. This Ordinance shall become effective immediately upon the passage and publication of the Ordinance.

FIRST READING: May 22, 2000

SECOND READING: June 12, 2000

APPROVED:

J. P. Wilson
MAYOR

ATTEST:

CITY CLERK

USER RATE SCHEDULE – JULY 2020

CITY OF SOMERSET KENTUCKY
WASTEWATER UTILITY RATES
JULY 2020 TO PRESENT

CITY RESIDENTIAL

VOLUME	MINIMUM	RATE
11 & OVER	$7.90	0.28

CITY COMMERCIAL

VOLUME	MINIMUM	RATE
11 & OVER	$10.25	0.40

CITY INDUSTRIAL

VOLUME	MINIMUM	RATE
11 & OVER	$31.00	0.47

COUNTY RESIDENTIAL

VOLUME	MINIMUM	RATE
11 & OVER	$14.04	0.62

COUNTY COMMERCIAL

VOLUME	MINIMUM	RATE
11 & OVER	$21.00	0.72

COUNTY INDUSTRIAL

VOLUME	MINIMUM	RATE
11 & OVER	$36.00	0.63

GOVERNMENT/NON-PROFIT/EDUCATON

VOLUME	MINIMUM	RATE
11 & OVER	$10.25	0.40

FERGUSON

VOLUME	MINIMUM	RATE
11 & OVER	13.00	0.50

PLANNING AREA BOUNDARY MAP