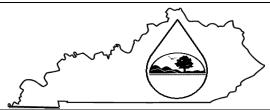
# ASSET INVENTORY REPORT FORM



## 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 Fail	ure	60 - 80%	Total System	
8	Significant Sanitary System Failure	•	80 - 90%	Total System	
9	Total		90 - 100	Total System	
. Probabl	ity of Falure				
Rating	Percentage (%) of Effecti	ve Life Consumed			
1	20%				
2	40%				
3	60%				
4	80%				
5	100%				
c. Curent F	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. Renewa	a. Renewal Strategies				
Option	Description	Туре			
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. Mainte	nance 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.

Regional Planning Agency Regional Planning Agency			City of Emi	nence			
Mailing Address	128 Eminence Terrace						
			nce, KY 40019				
City		City of Eminence	State		Zip	)	40019
D	310 Plantside						10010
(if different)	O TO T IGHTGIGG	, 51.					
City		Eminence, KY	Zip	400	)19		
	Matt McAlliste	·		400	710		
·	Public Works				_		
Telephone Number		845-4159			_		
Fax Number		845-8066	_				
			_				
	matt@eminence		_				
Website		eminence.ky.gov					
KPDES/KISOP Number		KY0026883					
Name of watershed(s) with	hin the plannir	ng area		Hydrologi	ical Unit (	Code	e (HUC) 10
Kentucky River			_				
			<u> </u>				
			_				
	anning area lis	sted as impaired waters in the	<b>:</b>				
Waterbodies within the pla Integrated Report to Cong	ress on Wate	r Quality in Kentucky.					
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	ress on Water	r Quality in Kentucky.	-				
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Integrated Report to Cong							
Discharge Information Discharge Type (e.g. disch	harge to anoth	r Quality in Kentucky.	rge, outfall to	surface wa	aters, reu	ıse)	
Integrated Report to Cong	harge to anoth		rge, outfall to	surface wa	aters, reu	use)	
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Discharge Information Discharge Type (e.g. lahydrologic controlled releamethod.	harge to anoth face waters  (s)  Je its effluent in and application ase [HCR], we	ner facility, subsurface discha n another manner besides n, underground percolation, ll injection)? If yes, provide	Milepoint	or La 38 deg	titude and 21'36"	d Loi 85	5 deg 11'22"
Discharge Information Discharge Type (e.g. disch Outfall with diffuser to surf  Name of Receiving Water Kentucky River  Does the WWTP discharg directly to a stream (e.g. la hydrologic controlled relea method.  Does the system discharge	harge to another face waters  (s)  ge its effluent in and application ase [HCR], we else to or received	ner facility, subsurface dischar in another manner besides n, underground percolation, ill injection)? If yes, provide	Milepoint	or La 38 deg	titude and 21'36"	d Loi 85	_
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3 Facility Effluent Treatment Level				
What levels of treatment are provided? Check all that apply.				
Preliminary Primary Other Describe:  Projected (Indicate the level of treatment and projected date):	Secondary Advanced Other Descri			
4 Facility Type	140 onlinge	_		
Facility Type	Present	Projected		
Deep-cell lagoons with UV disinfection	✓			
		Ш		
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)	0.75 2 Yrs Ago	Last Year	0.75 This Year	
b. Annual average daily flow rate (mgd)	0.462 2 Yrs Ago	0.456 Last Year	0.554 This Year	
c. Maximum (Peak) daily flow rate (mgd)	0.588	0.571	0.559	
d. Average daily flow projected in 10 years (mgd)			0.609	
e. Average inflow & Infiltration. Estimates should be based on most recent dat	a (mgd)		0.01	
	Present		Projected in 10 years	
f. Residential flow contribution (mgd)	0.475		0.5	
Commercial/industrial flow contribution (mgd)	Present 0.25		Projected in 10 years 0.25	
(Projections should be based on 1,000 to 1,500 gallons per day/acre)	0.23		0.25	
	Present		Projected in 10 years	
Population served (persons)	2560	<b>A</b>	2800	
(Calculations should be based on Census data specific to the service a	Present	)	Projected in 10 years	
Unserved population in the planning area	0		0	
Does the system have a pretreatment program?	Yes		No 🗌	
6 Treatment Plant Discharge Limits				

6 Treatment Plant Discharge Limits			
Parameter	Monthly Average	Daily Maximum	Daily Minimum
Biological Oxygen Demand (BOD $_{5;}$ mg/l) or CBOD $_{5}$	30	45	mg/l
Total Suspended Solids (TSS; mg/l)	30	45	mg/l
Ammonia Nitrogen: Summer	20	30	mg/l
Winter	20	30	mg/l
Dissolved Oxygen (mg/l)	N/A		2.0 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)	Report	Report	mg/l
Total Nitrogen (mg/l)	Report	Report	mg/l
Biomonitoring (Tuc)	N/A	3.36	Tuc

8 REVENUES AND EXPENSES						
6 REVENUES AND EXPENSES						
			Year	Mo	nth	
Current Fiscal Year and First Month of the Fiscal	l Year		2022-2023	Ju	ly	
2. Median Household Income (MHI) of the Service	Area	\$	42663			
			Residential	Comm	ercial	
3. Current User Charge Per Month per 4,000 gallo	3. Current User Charge Per Month per 4,000 gallons \$			\$ 25.	71	
			Residential	Comm	ercial	
4. Projected User Charge Per Mo. Over Next Two		26.1	\$ 26	.1		
5. Annual Revenues		En	ter Expected Future Changes ir	n Revenues (in current year dol	ars)	
	Current Year	Year 2023	Year 2024	Year 2025	Year 2026	Year 2027
Total retail user charges	410345	632047.9858	973533.6274	1499518.62	2309685.079	3557571.804
Total wholesale user charges	0	0	0	0	0	0
Interest earned	3451	5315.521327	8187.414366	12610.9463	19424.44335	29919.1663
Funds drawn from reserves	20175	31075.23697	47864.70149	73725.25111	113557.8512	174911.3822
Other revenues (tap-on fees; impact fees, etc.)	18000	27725.11848	42704.56638	65777.17571	101315.555	156054.7648
TOTAL	\$451,971	\$696,164	\$1,072,290	\$1,651,632	\$2,543,983	\$3,918,457
		F-	ter Expected Future Changes in	- Evmanaa (in aumant vaar dalli		
6. Annual Expenses	0 11/					
	Current Year	Year 2023	Year 2024	Year 2025	Year 2026	Year 2027
Salaries, wages, benefits	103493	159408.6493	245534.6494	378193.1803	582525.0408	897254.2097
Supplies, equipment, chemicals	41608	64088.15166	98713.97767	152047.5959	234196.534	360729.2586
Repairs and parts	13866 Electric	21357.58294 Electric	32896.75097 Electric	50670.35102 Electric	78046.74921 Electric	120214.1872 Electric
Utilities	97731	150533.5308	231864.4432	357137.1755	550092.8059	847299.3456
	Water	Water	231604.4432 Water	357137.1755 Water	550092.8059 Water	047299.3430 Water
	0	0	0	0	0	0
	Gas	Gas	Gas	Gas	Gas	Gas
	Gas 0	Gas 0	Gas 0	Gas 0	Gas 0	Gas 0
Payments to other facilities						
Payments to other facilities  Funds added to reserves	0	0	0	0	0	0
·	0	0	0	0	0	0
Funds added to reserves	0 0 118385	0 0 182346.564	0 0 280865.5606	0 0 432612.8304	0 0 666346.7766	0 0 1026363.518

Collection	System: Gravity Pines	s & Manholes - Existing														
Conection	Toystem. Oravity Tipes	Wallioles - Existing	Pipe													
		Description of Manholes		Pipe Size			As	sessment Ratio	ngs		Failure Rating	<u>js</u>		Renewal an	d Maintenanc	e Strategy
			l <u> </u>		Pipe	Year							Renewal	Maintenance	DOM Date	Estimated Cost of R&M
Colum Column2	Description	(diameter, material, lid type) Column3	Feet Column4	Inches Column5	Material Column6	Installed Column7	Column8	Column9	Column10	Consequence Column11	Column12	Column13	Strategy Column14	Strategy Column15	R&M Date Column16	Option \$ Column17
1 Gravity Sewe		NA NA	69330		Clay	1950		4	4	. 1	Oolulliiii	3	5	2	Columnito	Oolullii 17
2 Gravity Sewe		NA	12884		PVC	2000	5	5	4	. 1	1	3	5	2		
3 Gravity Sewe		NA	865		PVC	2019	5	5	4	1	1	3	5	2		
4 Gravity Sewe		NA	500		PVC	2021	5	5	4	. 1	1	3	5	2		
5 Gravity Sewe		NA	12179	-	PVC	1980	4	4	4	. 1	1	3	5	2		
6 Gravity Sewe	er Lines	NA	2053	12	PVC	1980	4	4	4	. 1	1	3	5	2		
7 Gravity Sewe	er Lines	NA	735	16	PVC	2017		5	4	. 1	1	3	5	2		
8 435 Manhole	es	22.5", Concrete, Cast Iron	NA	NA	NA	1950	3	5	4	. 1	1	3	5	2		
9 57 Manholes	<b>i</b>	22.5", Concrete, Cast Iron	NA	NA	NA	2000	5	5	4	. 1	1	3	5	2		
10																
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Type	Collection System Gravity Pipes and Manholes - Proposed Projects														
Proposed Project Date   Project Description   Project Descriptio	Oblection System Gravity 1 ipes and man	inoles - 1 Toposeu i Tojects		Ty	pe							If Kno	own		
Cole Cole Cole Cole Cole Cole Cole Cole	Proposed Project Title	Project Description	Extensio n	Rehab	Replace	Abandon	Number of New Manholes	Length Feet	Inches	Material	Planned	Manufacturer's Predicted Life Years	Estimated Project Cost	Specs Approved?	Funding In Place?
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	Pressure Line/Force Mains and Ai	r-Release Valves - Existing														
		Description of AR Valves	Pipe Length	Pipe Size			As	sessment Ratii	ngs		Failure Rating	js		Renewal and l	Maintenance :	Strategy
	Description	(size and type)	Feet	Inches	Pipe Material	Year Installed				Consequence			Renewal Strategy	Maintenance	R&M Date	Estimated Cost of
Colur	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16	Column17
	49 Air Release Valves					1995		5	4	. 1	1	1 3	5	2		
	Force Main		2362		PVC	2000		5	4	. 2	1	1 3	5	5 2		
	Force Main		1040		PVC	1995		5	4	. 2	1	1 3	5	5 2		
	Force Main		11961		PVC	2000		5	4	. 2	1	1 3	5	5 2		
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Pressure Line/Force Main and Air-Release Valves - Proposed Projects														
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Proposed Project Title	Project Description	Expansio n			Abandon	Number of New AR Valves	Pipe Length Feet	Pipe Size	Pipe Material	Year Planned	Manufacturer's Predicted Life Years	Estimated	Plans & Specs Approved?	Funding In Place?
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	Pump Stations - Existing														
		Туре		Total		As	ssessment Ratii	ngs		Failure Rating	s		Renewal and	Maintenance	Strategy
	Dumm Station Name	(e.g. submersible, centrifugal,	Capacity	Dynamic Head	Year								Maintenance		Estimated Cost of
Calu	Pump Station Name	etc.)	gpm	Feet					Consequence Column10	Column11	Redundancy		Strategy	R&M Date	R&M Option \$
Colur	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16
	East Broadway	Submersible	100		1995		5	4	1	1	3	5	2		
	Elmcrest	Submersible	210		2000		5	4	1	1	3	5	2		
	Quail Run	Submersible	175		2000		5	4	1	1	3	5	2		
	Jackson Road	Submersible	100		1995		5	4	1	1	3	5	2		
	Maple Avenue	Submersible	478		1995		5	4	1	1	3	5	2		
	North Main	Submersible	100		1995		5	4	1	1	3	5	2		
	Coachman Lane	Submersible	205		1995		5	4	1	1	3	5	2		
8	Hussey Copper	Submersible	300		1995	4	5	4	1	1	3	5	2		
9	Mulberry	Submersible	1650		1995	4	5	4	1	1	3	5	2		
10	Plant	Submersible	625		1995	4	5	4	1	1	3	5	2		
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Pump Stations - Proposed Projects			Tv	ре		Туре				If Kno	own		
		Expansion	Rehab	Replace 4	Abandon	e.g. submersible, centrifugal,	Capacity	Total Dynamic Head	Year	Manufacturer's Predicted Life	Estimated	Specs	Funding In
Proposed Project Title	Pump Station Name		8			etc.)	gpm	Feet	Planned	Years	\$	Approved?	
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Column	tenance Strategy
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2 Pellumary	umn14 Column15
Secondary   Deposed Lagorans   2   1996   5   5   6   2   1   3   5   2	
4 Disinfection	
Secondary	
B   Sacondary   Acratical Discovers   6   2014   5   5   5   2   1   3   8   2	
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Treatment Un	nits - Proposed Projects			1	16.17		I		
						nown			
				Year	Manufacturer's Predicted Life	Estimated Project Cost	Plans & Specs	Funding In	
	Proposed Projects	Treatment Unit	Number of Units		Years	\$	Approved?	Place?	
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Project Table   Location   Brief Description   Service   Cours Islands   Columb   Columb		Project Priorization						
Project Tile   Location		•			Sche	dule	Cost Estimate	
Solumin		Project Title	Location	Brief Description				Source of Funding
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	V. Funding Plan										
	Project Title	Overall Project Budget	Available Funding Amount	Available Funding Source	Unfunded Amount						
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VI. COPIES OF SUPPORTING DOCUMENTATION  All regional planning agencies must provide copies of the supporting documentation listed be	iou Copies should be attached to this form
Regional planning agency organization chart (Including names of members)     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 troundary, watersteel boundaries, county boundaries, adjacent popul waterbodies, drinking water supply areas; (b) Up-to-date map(s), suitable for phot treatment facilities (including package treatment plant(s)), discharge location(s), o	ocopying, including locations of wastewater
interceptors), and plump stations.  5. A list of wastewater systems studies since the last planning update (e.g., infiltratio 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). At regional planning agency (e.g. Kentucky licensed professional engineer employed by or under Public Works Director, General Manager, Superintendent).	ND a designated official representing the or contract with the regional planning agency,
Local Elected Official	
I certify the information entered in this form is accurate to the best of my knowledge.	The life is the second of the
Name Douglas M Bates	
Title: Mayor	
Signature: D. I. w. R. I.	Date: // 110 01000
Signature Deuglas M Baller	Date: 11-14-2022
Designated Official	
I certify the information entered in this form is accurate to the best of my knowledge.	
Name: Most McAllister	
Title. City of Eminence Public Works Director	
Signature: Lafter Land	Date: 11-14-22
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	