

**State Revolving Fund Verification Form
Asset Management Plan and Service Line Inventory Development**

Project Number: SX21205044
Project Title: MUPB - Bluestone Wastewater Line Replacement Project
Utility Name: Morehead Utility Plant Boad
Applicant Name: Holly McGrath-Rosas
Applicant Title: General Manager
Applicant Email: hrosas@mupb.com
Applicant Phone Number: 606-784-8313

I, Holly McGrath-Rosas *Utility Representative* hereby verify that Morehead Utility Plant Boad *Utility Name* implements an asset management plan and/or service line inventory plan containing the following elements (check each that apply):


- Asset Inventory:** a list of above and belowground assets, which, includes as available the date constructed/installed, identifying information, location, remaining useful life, condition, estimated cost to replace, and priority rating, based on criticality.
- Strategic Plan:** at a minimum, must include a mission statement, level of service goals for the system that are SMART (Specific, Measurable, Attainable, Realistic, and Time-bound), and preventive maintenance program.
- Capital Improvement Plan:** a list of capital projects for the next five (5) or more years which includes project title, anticipated year of construction, cost estimate, and sources of potential funding).

For service line inventory development:

- Data management system:** includes all fields required for the LCRR (location information, material, verification method)
- Description of standard procedures for recording and updating service line data:** at a minimum, must document the types of records reviewed (previous materials evaluation, construction records and plumbing codes, water system records, distribution system inspections and records, etc.). In addition:
 - procedures to collect data during routine maintenance and operations,
 - describe customer engagement efforts,
 - procedure for identifying customer-owned service line material
 - procedure for digitizing records or organizing record information in an electronic format
 - when relevant: alternative procedure developed in consultation with DOW

Provide documentation that above procedures are in effect: Use Methodology, Summary, and Public Accessibility pages of the DOW Service Line Inventory template, as well as any additional documentation needed (e.g., examples of work orders, customer flyers, etc.)

By signing this form, I am verifying that this information is true and accurate. I understand that no priority points will be allotted for asset management and/or service line inventory development unless this document is signed by a utility representative. Furthermore, I understand that the falsification of this form could result in the above referenced project receiving no priority points towards asset management planning and/or service line inventory project readiness, which may impact the overall prioritization of the proposed project. This information must be made available for inspection upon request by Division of Water personnel.



Utility Representative

02/13/2024

Date



MATTHEW G. BEVIN
GOVERNOR

CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON
COMMISSIONER

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

May 24, 2019

Honorable Laura White-Brown, Mayor
City of Morehead
135 South Wilson Avenue
Morehead, KY 40351

Re: Asset Inventory for
Morehead WWTP
Rowan County, Kentucky
AI ID: 3875; PLN20150001

Hon. Brown:

The Department for Environmental Protection, Division of Water (DOW) has reviewed the Asset Inventory Report for the Morehead WWTP dated March 31, 2015, and found it to conform to the requirements contained in administrative regulation 401 KAR 5:006.

The DOW accepts the Asset Inventory Report in lieu of a Facility Plan. Acceptance of the Asset Inventory is hereby given based on the attached Asset Inventory Assessment Report which provides recommendations related to facility planning, operation, and management in an effort to ensure continued compliance with applicable regulations and protection of the waters of the Commonwealth.

Any questions may be directed to our office at (502) 782-7026 or by e-mail to russell.neal@ky.gov

Sincerely,

A handwritten signature in black ink, appearing to read "Russell Neal".

Russell Neal, Supervisor
Wastewater Municipal Planning
Water Infrastructure Branch

RN/LD
Attachment

Cc: Mr. Larry Tackett, Operations Manager

MATTHEW G. BEVIN
GOVERNOR



CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

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COMMISSIONER

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

ASSET INVENTORY ASSESSMENT REPORT
Regional Wastewater Treatment Facility
Morehead Utility Plant Board
Morehead WWTP
Rowan County, Kentucky
AI ID: 3875; PLN20150001

An Asset Inventory Report Form entitled “*Asset Inventory Report, Morehead WWTP, Kentucky*”, dated March 31, 2015, has been submitted for approval by the Energy and Environment Cabinet (EEC) in lieu of a Facilities Plan. In accordance with 401 KAR 5:006, the Department for Environmental Protection (DEP) has prepared an Asset Inventory Assessment Report summarizing the wastewater assets and their condition. The Asset Inventory Assessment Report contains information related to organizational structure and wastewater assets and is included in the following sections: A) Existing Wastewater Facilities; B) Water Quality; C) Current Finances and Future Needs; and D) Recommendations.

Interested persons are encouraged to submit comments on this assessment report within thirty-(30) calendar days of the issue date. The EEC will take no action on this report until after the public comment period has ended and will evaluate all comments before a decision is made to proceed with approval of the Asset Inventory Report. Written comments may be forwarded to Russell Neal, Supervisor, Wastewater Municipal Planning Section, Water Infrastructure Branch, Division of Water, 300 Sower Boulevard, Frankfort, Kentucky 40601, or by e-mail to russell.neal@ky.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter T. Goodman".

For
Peter T. Goodman, Director
Division of Water

RN/ld

ASSET INVENTORY ASSESMENT REPORT
Regional Wastewater Treatment Plant
Morehead Utility Plant Board
Rowan County, Kentucky
AI # 3875 PLN20150001

The Morehead Utility Plant Board (MUPB) owns and operates the MUPB Wastewater Treatment Plant (WWTP) and associated collection system and they have submitted an Asset Inventory (AI) Report Form in lieu of a Facilities Plan in March 2015 to demonstrate compliance with 401 KAR 5:006, Wastewater Planning Requirements for Regional Planning Agencies. The MUPB governing board is composed of a the Chairman, Mr. Russ Ward, Vice Chairman, Mr. Jeff Barker, City Council Representative, Mr. Glen Teager, Board Member, Ms. Heather Neff Perkins and Board Member, Tracy Williams. The day-to-day operations of the treatment and collection system are conducted by, Ms. Holly McGrath-Rosas, General Manager, Mr. Larry Tackett, Operations Manager, and Mr. Dennis Skaggs. WWTP Superintendent and they report to the MUPB Board Members.

A. Existing Wastewater Facilities

Wastewater Treatment Plant

The current MUPB WWTP constructed in 1950, located off Bull Fork Road, operates under the Kentucky Pollutant Discharge Elimination System (KPDES) Permit #KY0052752, which became effective on July 12, 2017. The MUBP WWTP operates as a domestic and Industrial sanitary wastewater plant with a design capacity of 5.0 million gallons per day (MGD) and a design peak capacity of 10 MGD peak capacity consisting of: primary treatment, screening, grit removal, flow equalization, primary clarifiers, and aeration. Disinfection occurs by UV before ultimately discharging into the Licking River mile point (MP) 169.5 (38°08'25"N, -88° 33'27"W) according to KPDES permit KY0052752. Finally, biosolids are dried by the belt filter press and disposed to the MUPB land farm.

According to the reported annual average daily flow rate in the submitted AI (2013 to 2014) the flow was 3.37 MGD and the peak flow was 7.438 MGD. From the Discharge Monitoring Reports (DMRs) submitted to the Environmental Protection Agency's (EPA) Integrated Compliance Information System (ICIS) for January 2013 to December 2014, the average flow rate was 3.007 MGD and the peak flow was 8.580 MGD or treating at a monthly average at 57% capacity.

Over a five year period (2010-2015) the MUPB WWTP has had several Notices of Violation (NOV) for permit exceedances since 2010. This could be due to the deterioration of the vitrified clay pipes (VCP), which might be contributing excessive inflow/infiltration (I/I) into the system or other aging infrastructure. There are several projects listed on the Water Resource Information System (WRIS), Table 2 and these projects range from sewer extensions to improving existing infrastructure. Only one project is under construction and fully funded.

Included in the end of this Assessment, is the City of Morehead's WWTP Planning Area and Flow Schematic labelled as Exhibit 1 and Exhibit 2, respectively.

Table 1
KPDES Permit Limits
Morehead WWTP
#KY0052752

Parameter	Limits
Chemical Biochemical Oxygen Demand (CBOD₅)	25 mg/l*
Total Suspended Solids (TSS)	30 mg/l*
Ammonia-Nitrogen (NH₃N) <i>(summer, May 1-October 31)</i>	15 mg/l*
<i>(winter, Nov 1 – April 30)</i>	15 mg/l*
Dissolved Oxygen	2.0 mg/l**
<i>Escherichia coli</i> Bacteria	130 Col./100 ml*
Total Phosphorus:	Report
Total Nitrogen	Report
pH	6.0 S.U.
*Monthly Average	**Daily Minimum

In the AI report, MUPB used Rowan county census data. A review of Census data reveals an increase in Rowan County’s population by approximately 5.3% since 2000. The Kentucky Census Data Center, University of Louisville projects an approximate 7.5% increase in population of the county through 2040. From the 2000, US Census population the city of Morehead experienced an increase of 15.7%. The WWTP serves the city, and per the MUPB website, customers served in Rowan, Bath, and Fleming counties, which consist of 49,272 total residents between the three counties as of the 2010 US Census. In the next ten years, the population of Rowan County is expected to increase, as reported in the Asset Inventory. Based on this projected population and a generally accepted standard rate of 100 gallons per capita per day (gpcd), the hydraulic design capacity of 5.0 MGD of the plant is sufficient.

Collection System

According to the AI, the MUPB has a sanitary sewer system consisting of approximately 136 miles of gravity and force sewers and includes 70 lift stations. There are approximately 7 miles of VCP pipes that could contribute to excessive I/I into the system. Proposed project SX21205037 will eliminate the sanitary system overflows by replacement of interceptors and upgrade lift stations within the system. This project is fully funded.

**Table 2
Water Resource Information Service Project Lists**

Project No.	Applicant	Project Title	Project Status	Funding Status	Project Cost
SX21205031	MUPB	MUPB Residential Grinder Replacement Project	A	NF	\$250,000
SX21205033	MUPB	MUPB Phase 5, I&I Sewer	A	NF	\$500,000
SX21205035	MUPB	MUPB 519 Sewer Extension	A	NF	\$200,000
SX21205036	City of Morehead	KY801 and KY158 Sewer Extension Project	UC	FF	\$1,800,000
SX21205037	City of Morehead	US 60 West and KY 801 SSO Correction Project	A	FF	\$3,761,000
SX21205041	MUPB	MUPB US 60 Sewer Line Rehab	A	NF	\$1,500,000
SX21205042	City of Morehead	Derrickson Lift Station Upgrade	A	NF	\$949,000

A = Approved UC = Under Construction NF= Not Funded FF = Fully Funded

Critical Assets

Critical assets are those assets having a significant role in the operation of a system. Their failure could be detrimental to the total system or facility components. The headworks consists of two bar screens installed in 2006, their condition is having only minor defects, meeting all performance targets with minor component failure and 100% redundancy. The renewal strategy is repair and preventative maintenance.

Preliminary treatment consists of three influent pumps installed in 2006 and two grit pumps installed in 1980. Their condition is having only minor defects, meeting all performance targets with minor component failure and 100% redundancy. The renewal strategy is repair and preventative maintenance.

Secondary treatment consists of two blowers, three effluent pumps, one bio filter, one influent flow meter, effluent flow meter and two final clarifiers all installed in 2006. Their condition is having only minor defects, meeting all performance targets with minor component failures. The bio filter, influent and effluent flow meter has 50% redundancy and the remaining has 100% redundancy. The renewal strategy is repair and preventative maintenance.

There are two UV disinfection units installed in 2006. Their condition is having only minor defects, meeting all performance targets with minor component failure and 50% redundancy. The renewal strategy is repair and preventative maintenance.

The biosolids treatment units consist of one rotary drum installed in 2013, two gravity thickeners, one ATAD jet pump, one storage jet pump, one ATAD foam pump, one storage foam pump, four blowers, one belt filter press, one ferric unit and one bio filter all installed in 2006. A polymer pump was installed in 2013. Their condition is having only minor defects, meeting

all performance targets with minor component failures. The rotary drum has 100% redundancy, the storage foam pump has 200% redundancy, and all other assets have 50% redundancy. The renewal strategy for all is repair and preventative maintenance.

B. Water Quality

The planning area is located within the Salt / Licking River Basin Management Unit and is drained by the Triplett Creek Watershed (HUC10#0510010106). The major streams located in the planning area are Licking River, Triplett Creek, North Fork Triplett Creek and Hungry Branch and associated tributaries. The watershed was evaluated in the *Integrated Report to Congress on the Condition of Water Resources in Kentucky, 2016*. Licking River, Triplett Creek, North Fork Triplett Creek, Hungry Branch, and unnamed tributaries are listed as impaired, as listed in Table 3. There are no Special Use Designated Waters, (i.e. Exceptional Waters, Reference Reach Waters or Outstanding National Resource Waters) located in the planning area.

According to the MUPD Water Quality Report for 2017, drinking water is supplied by surface water from Licking River. An analysis of the susceptibility of the raw water supply to contamination indicates that the susceptibility potential is generally moderate. There are a few areas of high concern near the raw water withdraw site. Farming sites located in the area present the possibility of impact from the application of pesticides and fertilizer. Bridges and major roadways also pose a threat to the source in the event of an accidental spill. Other sites of medium concern include a marina, a fish hatchery, the presence of an underground storage tank and a small grocery /gas station, and a manufacturing industry. The complete 2017 Water Quality Report is available at the Water Treatment Plant.

**Table 3
List of Impaired Streams
Triplett Creek Watershed
Rowan County, Kentucky**

Waterbody and Segment	Support Status*	Designated Use**	Causes	Sources
Licking River (159.3 to 170.4)	FS	OSRW	None Listed	None Listed
Triplett Creek (0.0 to 5.85)	PS WAH NS PCR	WAH, FC, PCR, SCR	Escherichia coli, Organic (Sewage) Biological Indicators	Municipal Point Source Discharges, Urban Runoff/Storm Sewers
Triplett Creek (5.85 to 12.3)	PS WAH PS PCR NS SCR FS DWS	DWS	Nutrient/Eutrophication Biological Indicators, Organic Enrichment (Sewage) Biological Indicators	Agriculture, Urban Runoff / Storm Sewers
Triplett Creek (12.3 to 13.8)	PS WAH NS PCR FS DWS	DWS	Escherichia coli, Nutrient/Eutrophication Biological Indicators, Organic Enrichment (Sewage) Biological Indicators	Municipal Point Source Discharges, Non-Point Source, Urban Runoff/Storm Sewers
Triplett Creek (13.8 to 21.75)	PS WAH FS PCR	WAH,FC,PCR,SCR	Nutrient/Eutrophication Biological Indicators	Managed Pasture Grazing, non-point Source, Rural (Residential Areas)
Triplett Creek (21.75 to 22.65)	PS WAH PS PCR PS SCR	WAH, FC, PCR, SCR	pH	Source Unknown
North Fork Triplett Creek (1.15 to 4.85)	NS PCR	WAH, FC, PCR, SCR	Escherichia Coli	Managed Pasture Graving, Non-Irrigated Group Production, Non-Point Source
North Fork Triplett Creek (8.1 to 12.15)	PS PCR	WAH, FC, PCR, SCR	Escherichia Coli	Managed Pasture Graving, Non-Irrigated Group Production, Non-Point Source
North Fork Triplett Creek (14.9 to 15.9)	FS WAH	WAH, FC, PCR, SCR	None Listed	None Listed
North Fork Triplett Creek (16.95 to 18.95)	PS PCR	WAH, FC, PCR, SCR	Escherichia Coli	Managed Pasture Graving, Non-Irrigated Group Production, Non-Point Source
Hungry Branch (0.0 to 0.95)	PS WAH FS PCR	WAH, FC, PCR, SCR	Dissolved Oxygen	Source Unknown

Source: *Integrated Report to Congress on the Condition of Water Resources in Kentucky, 2016* (305(b) and 303(d))

*NS = Non-Support, PS = Partial Support, FS = Full Support

**WAH = Warmwater Aquatic Habitat, CAH = Coldwater Aquatic Habitat, PCR = Primary Contact Recreation, SCR = Secondary Contact Recreation, FC = Fish Consumption

C. Current Finances and Future Needs

The MUPB has the ability to set rates and fees, as well as add fees when needed, to fund the operation of the wastewater system. According to WRIS, rates were raised August 1, 2018, the 2018 average monthly bill for residential was reported as \$29.76 and commercial customers were

reported as \$35.09 (based on an average usage of 4000 gallons per month) for all customers. Using the information presented in the AI, residential and commercial user charges \$17.87 (based on an average of 4000 gallons per month) for all customers. Serviceable connections were not reported on the AI, but using the 2010 US Census, serviceable households for the three counties is +/- 14,678, total revenue should result in approximately \$3,147,550.32.

Using the information presented in WRIS (residential \$29.76/4000 gallons and +/- 4,783 serviceable connections and commercial \$35.09/4000 gallons and +/- 792 serviceable connections), residential revenue from user charges should result in approximately \$1,708,104.96 and commercial revenue from user charges should result in approximately \$282,839.04 annually. Revenue reported with the AI report was \$3,070,226 total user charges with \$135,747 listed as interest and other revenue. Annual expenses for the system are reported to be \$2,953,662/year, indicating the system does have enough available revenue to cover any unexpected costs.

The preceding financial information only considers revenue based on the information provided in the AI as submitted by the city. In reality, the city may incur additional expenses associated with normal wear and tear or other unforeseen circumstances, such as increased electric rates, that could alter the amount of annual expenses. This also does not take into consideration the effect of inflation on expenses. Potentially, the city may have an established emergency fund or savings that could be accessed to help fund project development.

D. Recommendations

- There have been several notifications of violations for permit exceedances, MUPB is encouraged to continue its efforts in locating funding sources for the projects listed in Table 2, in order to rehabilitate aging infrastructure, install new assets and replace sewers to reduce and prevent excessive I/I and as part of their ongoing preventive maintenance and asset management program.
- The financial analysis emphasizes should be continue to be reviewed and potential adjustment of rates should be considered to continue to meet expenditures. Annual rates and budgets reviews are recommended along with moderate rate adjustments to ensure adequacy for long-term planning, operations, and maintenance. The Agency is encouraged to include this as part of an ongoing asset management program.
- The Asset Inventory Assessment Report is the basis for a complete asset management program. Tracking the condition of assets, as well as operating a comprehensive preventive maintenance program, is crucial to the efficient operation of a wastewater system as well as to maintain the water quality of the receiving stream. The Division of Water recommends the city expand on the Asset Inventory Report to track the identified assets and their condition in a format that is useful and easy to manage. The excel version of the Asset Inventory Report Form has been completed and is included with this approved assessment.

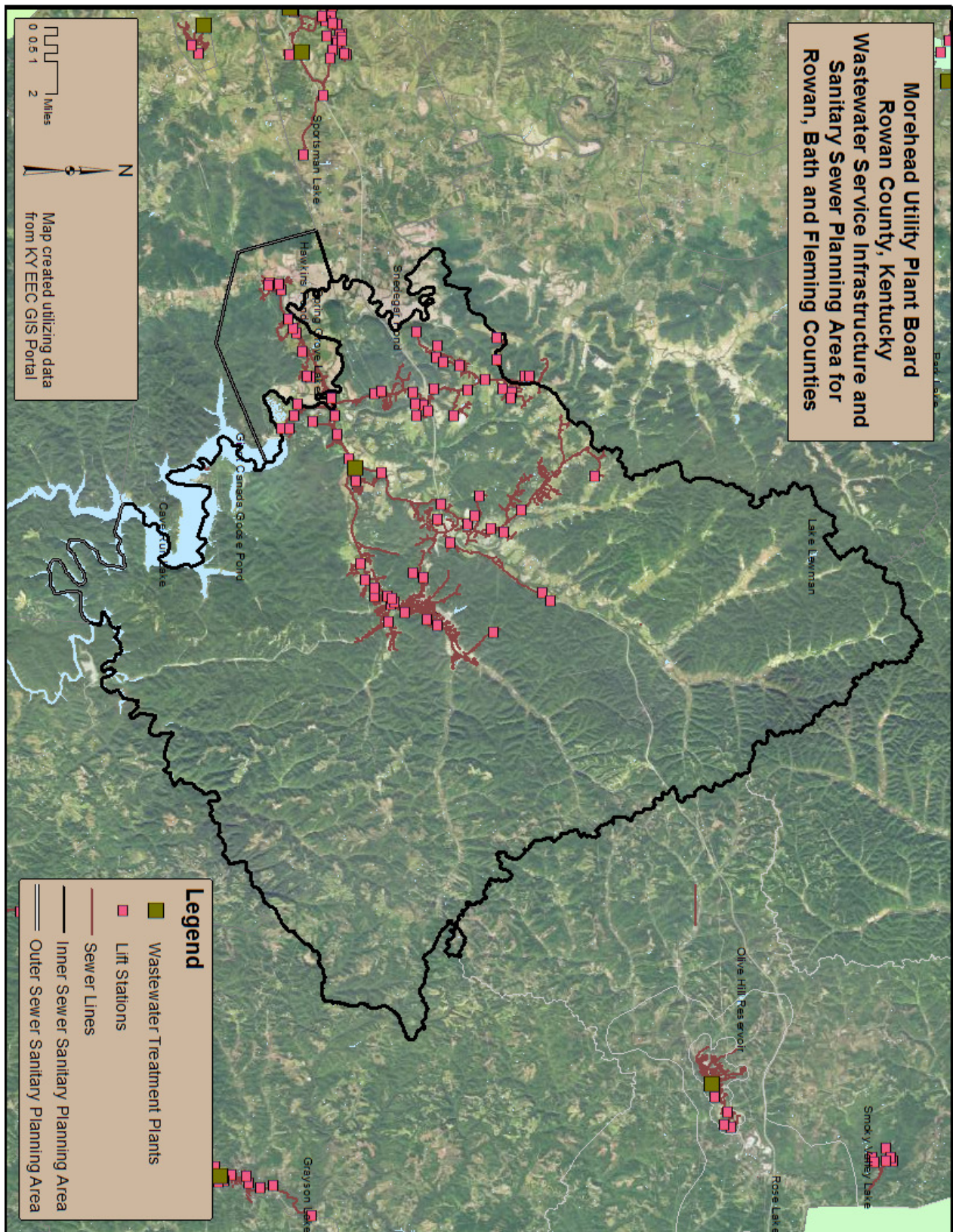


Exhibit 1: Morehead Utility Plant Board Sanitary Sewer Planning Area, Kentucky.

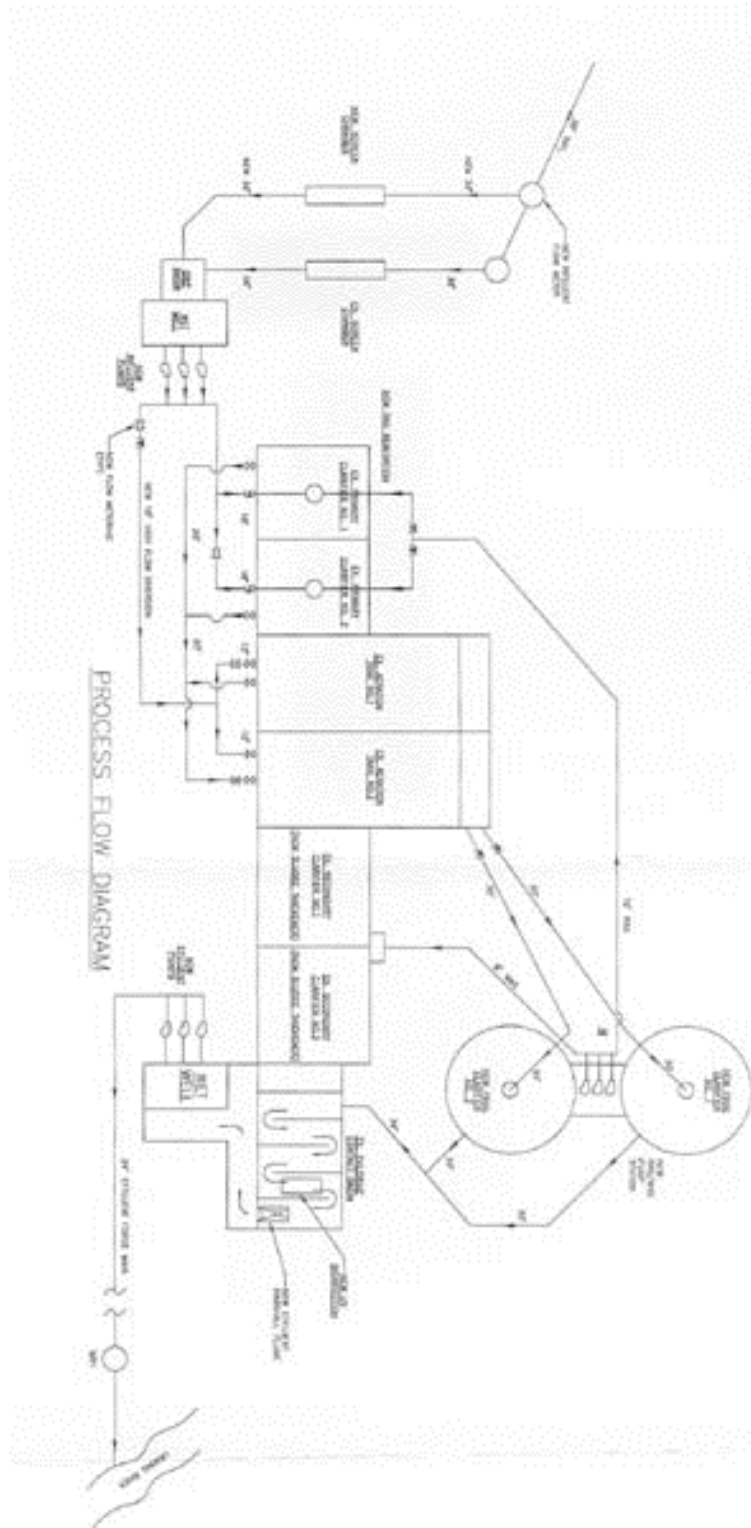


Exhibit 2: Morehead Utility Plant Board Wastewater Sanitary Sewer Treatment Flow Schematic, obtained from <https://www.mupb.com/wwtp2.html>

PNum	Applicant	Project Title	Project Status	Funding Status	Schedule (Y)	Project Cost
SX21205036	Morehead Utility Plant Board	KY 801 and KY 158 Sewer Extension Project		COMPLETE 2018		\$1,200,000
WX21205028	Morehead Utility Plant Board	Morehead Utility Plant Board Guardian Pump Station Rehabilitation		COMPLETE 2019		\$205,000
SX21205037	Morehead Utility Plant Board	US 60 West and KY 801 SSO Correction Project		COMPLETE 2021		\$4,500,000
WX21205048	Morehead Utility Plant Board	Regional Water Treatment Plant Construction		UNDER CONSTRUCTION		\$30,000,000
SX21205042	Morehead Utility Plant Board	Derrickson Lift Station Upgrade Project		UNDER CONSTRUCTION		\$1,900,000
WX21205048	Morehead Utility Plant Board	Regional Water Treatment Plant Transmission Lines	Approved	Not Funded	0-3 Years	\$1,800,000
WX21205048	Morehead Utility Plant Board	Regional Water Treatment Plant 1 MG Storage Tank	Approved	Not Funded	0-3 Years	\$2,000,000
WX21205048	Morehead Utility Plant Board	Regional Water Treatment Plant Cave Run Lake Intake Structure	Approved	Not Funded	0-3 Years	\$6,000,000
SX21205043	Morehead Utility Plant Board	MUPB-Main LS Improvement Project	Approved	Not Funded	0-3 Years	\$976,500
WX21205057	Morehead Utility Plant Board	MUPB Lead Removal Program - Phase 1	Approved	Not Funded	0-3 Years	\$853,700
SX21205044	Morehead Utility Plant Board	MUPB-Bluestone Wastewater Line Replacement	Approved	Not Funded	3-5 Years	\$1,400,000
WX21205035	Morehead Utility Plant Board	Morehead Utility Plant Board 801 South Waterline Rehab Project	Approved	Not Funded	3-5 Years	\$900,000
SX21205033	Morehead Utility Plant Board	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sewer	Approved	Not Funded	3-5 Years	\$500,000
SX21205041	Morehead Utility Plant Board	Morehead Utility Plant Board US 60 Sewer Trunk Line Rehab	Approved	Not Funded	6-10 Years	\$1,500,000
WX21205034	Morehead Utility Plant Board	Morehead Utility Plant Board Sun Street Waterline Rehab Project	Approved	Not Funded	6-10 Years	\$150,000
						\$52,480,200

**MOREHEAD UTILITY PLANT BOARD
CAPITAL PROJECTS SUMMARY
FOR YEAR ENDING JUNE 30, 2022**

GL#	2021-2022 TOTAL BUDGET	2021-2022 CURRENT YTD TOTAL	July	August	September	October	November	December	January	February	March	April	May	June
MAINTENANCE DEPARTMENT CAPITAL														
Capital Projects														
	Meter Reading System Package	\$235,000.00	\$29,491.50	\$ 29,491.50										
	Generators	\$0.00	\$5,895.60	\$ 5,895.60										
	Capital Projects Total	\$235,000.00	\$35,387.10											
Gas System Capital														
	Gas System	\$251,000.00	\$ 9,360.00	\$ 9,360.00										
	Gas System Capital Total	\$251,000.00	\$ 9,360.00											
Sewer I&I Rehab														
	Gravity Sewer	\$188,600.00	\$ -											
	Duplex Pump Station Upgrades	\$190,000.00	\$ -											
	Residential Grinder Stations and Pumps	\$100,000.00	\$ 30,808.00	\$ 30,808.00										
	Sewer I&I Rehab Total	\$478,600.00	\$30,808.00											
Water Lines Rehab														
	General Water Lines Rehab Expenses	\$230,000.00	\$ -											
Storm Sewer Capital														
	Storm Sewer System	\$120,000.00	\$ -											
	TOTAL MAINTENANCE DEPT CAPITAL	\$1,314,600.00	\$75,555.10											
GENERAL & ADMINISTRATIVE CAPITAL														
	Land	\$0.00	\$ -											
	Office Building Engineering	\$50,000.00	\$ -											
	TOTAL ADMINISTRATIVE CAPITAL	\$50,000.00	\$0.00											
WASTEWATER TREATMENT PLANT CAPITAL														
	ATAD Upgrades	\$0.00	\$ -	\$ 3,750.00										
	#2 Clairfier Project	\$180,000.00	\$ -											
	Groundwater Wetwell Pump	\$20,000.00	\$ -											
	Zero Turn Mower	\$16,000.00	\$ -	\$ 15,425.00										
	Asphalt Paving	\$25,000.00	\$ -											
	TOTAL WASTEWATER PLANT CAPITAL	\$241,000.00	\$0.00											
WATER TREATMENT PLANT CAPITAL														
	Tank Maintenance/Renovation	\$180,000.00	\$ 44,774.99	\$ 44,774.99										
	Pump Station Upgrades	\$40,000.00	\$ -											
	TOTAL WATER PLANT CAPITAL	\$220,000.00	\$44,774.99											
Loan Projects														
	801 N Sewer/MMRC	\$0.00	\$ -											
	Derrickson Liftstation and Force Main	\$0.00	\$ -											
	New Water Treatment Plant P/D	\$0.00	\$ -											
	Bluestone Rd. Force Main Replacement	\$0.00	\$ -											
	Loan Projects Total		\$0.00											

139,505.09

Gas	345,990.50	21,154.52
Water	544,990.50	56,569.51
Sewer	814,619.00	42,606.06
Total of 3 depts	1,705,600.00	120,330.09
Check total from worksheet above	\$1,825,600.00	\$120,330.09

Finished Water Production 2020

High Service Meter & Totals

Month	High Service	801 South	Total Finished Water
January	133,924,000	1,894,753	135,818,753
February	127,514,000	2,707,499	130,221,499
March	133,229,000	4,169,081	137,398,081
April	121,197,000	2,701,392	123,898,392
May	130,108,000	3,555,531	133,663,531
June	132,971,000	2,583,839	135,554,839
July	143,454,000	3,716,294	147,170,294
August	139,944,000	3,621,864	143,565,864
September	135,201,000	4,109,655	139,310,655
October	135,731,000	3,326,567	139,057,567
November	127,588,000	2,216,325	129,804,325
December	135,412,000	2,091,462	137,503,462

Finished Water Production 2021

High Service Meter & Totals

Month	High Service	801 South	Total Finished Water
January	136,620,000	2,007,337	138,627,337
February	137,886,000	1,891,817	139,777,817
March	141,670,000	3,568,602	145,238,602
April	127,225,000	4,320,459	131,545,459
May	139,301,000	8,368,517	147,669,517
June	135,610,000	10,042,744	145,652,744
July	139,083,000	10,203,976	149,286,976
August	134,824,000	10,558,419	145,382,419
September			
October			
November			
December			