Exhibit A

Drinking Water Project Profile

Legal Applicant:	**Lake Village Water Association Inc**		
Project Title:	**LVWA - Ison Lane Standpipe Rehabilitation Project**		
Project Number:	**WX21167038** View Map	Submitted By:	**BGADD**
Funding Status:	**Partially Funded**	Primary County:	**Mercer**
Project Status:	**Approved**	Planning Unit:	**Unit 4**
Project Schedule:	**0-2 Years**	Multi-County:	**No**
E-Clearinghouse SAI:	**KY202411211616**	ECH Status:	**Approved**
Applicant Entity Type:	**Water Association**	ADD WMC Contact:	**Casey Cash**
Date Approved (AWMPC):	**04-19-2024**		

Project Description:

Recent inspection revealed that corrosion is beginning to occur along the seams of the glass lined standpipe. The bolts at the seams will be replaced and new mastic covering will be placed on the seams.

Need for Project:
Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:

Project is necessary in order to maintain current infrastructure.

Project Alternatives:

Alternate A:

Construct a new tank.

Alternate B:

Legal Applicant:

Entity Type:	**Water Association**	PSC Group ID:	**34800**
Entity Name:	**Lake Village Water Association Inc**		
Web URL:			
Office EMail:			
Office Phone:	**859-748-5642** Toll Free:	Fax:	**859-748-9114**
Mail Address Line 1:	**PO Box 303**	Phys Address Line 1:	**801 Pleasant Hill Dr**
Mail Address Line 2:		Phys Address Line 2:	
Mail City, State Zip:	**Burgin, KY 40310**	Phys City, State Zip:	**Burgin, KY 40310**

Contact:	**Mike Sanford**	Financial Contact:		Auth Official:	**James Boyd**
Contact Title:	**Manager**	Financial Contact Title:		Auth Official Title:	**President**
Contact EMail:		Financial Contact EMail:		Auth Official EMail:	**mike@lakevillagewater.org**
Contact Phone:	**859-748-5642**	Financial Contact Phone:		Auth Official Phone:	**859-748-5642**

Data Source: **Kentucky Infrastructure Authority** Date Last Modified: **06.06.2022**

Project Administrator (PA) Information

Name:	**Mike D Sanford**
Title:	**Manager**
Organization:	**Mercer County Sanitation District**
Address Line 1:	**PO Box 303**
Address Line 2:	
City:	**Burgin** State: **KY** Zip: **40310**
Phone:	**859-748-5642** Fax: **859-748-9114**

Applicant Contact (AC) Information

Name:	**Mike D Sanford**
Title:	**Manager**
Organization:	**Mercer County Sanitation District**
Address Line 1:	**PO Box 303**
Address Line 2:	
City:	**Burgin** State: **KY** Zip: **40310**
Phone:	**859-748-5642** Fax: **859-748-9114**

Drinking Water Project Profile

WX21167038 - Lake Village Water Association Inc
LVWA - Ison Lane Standpipe Rehabilitation Project

Project Engineer (PE) Information:

✓ This project requires a licensed Professional Engineer.

✓ A Professional Engineer has been procured for this project.

Project Engineer Information:

License No: **PE 27052**
PE Name: **Elizabeth Ann Dienst**
Phone: **608-251-4843** Fax: **608-251-8655**
E-Mail: **liz.dienst@strand.com**
Firm Name:
Addr Line 1: **Ste 100**
Addr Line 2: **1525 Bull Lea Rd**
Addr Line 3:
City: **Lexington** State: **KY** Zip: **40511**
Status: **Current** Disciplinary Actions: **NO**
Issued: **01-12-2010** Expires: **06-30-2027**

Estimated Budget

Project Cost Categories:

Cost Category	Cost
Administrative Expenses:	
Legal Expenses:	
Land, Appraisals, Easements:	
Relocation Expenses & Repayments:	
Planning:	
Engineering Fees - Design:	
Engineering Fees - Construction:	
Engineering Fees - Inspection:	
Engineering Fees - Other:	
Construction:	$ 100,000
Equipment:	
Miscellaneous:	
Contingencies:	
Total Project Cost:	**$ 100,000**

Construction Cost Categories:

Cost Category	Cost
Treatment:	
Transmission & Distribution:	
Lead Remediation:	
Source:	
Storage:	$ 100,000
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized:	
Total ConstructionCost:	**$ 100,000**
Total Sustainable Infrastructure Costs:	

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **$ 100,000**
Total Committed Funding: **$ 72,589**
Funding Gap: **$ 27,411**

◯ This project will be requesting SRF funding for fiscal year 2026.

Estimated Project Schedule:

Est. Environmental Review Submittal Date:
Estimated Bid Date: **12-01-2024**
Estimated Construction Start Date: **01-02-2025**
Estimated Construction Completeion Date: **02-01-2025**

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
22HB001 Cleaner Water Program (FY 2023)	22CWW373	2023	$ 72,589	Committed	06-07-2024
	Total Comitted Funding:		**$ 72,589**		

Funding Source Notes:

The following systems are beneficiaries of this project:

✓ **KY0840587 Lake Village Water Association**

Note: Check mark indicates primary system for this project.

Drinking Water Project Profile

WX21167038 - Lake Village Water Association Inc
LVWA - Ison Lane Standpipe Rehabilitation Project

Project Ranking by AWMPC:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

- ◯ Plans and specs have been sent to DOW.
- ◯ Plans and specs have been reviewed by DOW.
- ◯ Plans and specs have been sent to PSC.
- ◯ Plans and specs have been reviewed by PSC.

Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Servceable Demographic	Project Area	Included Systems	Included Utilities
Population:		5,510	5,510
Households:		2,187	2,187
MHI:		$70,476	*$70,476
MHI MOE		$9,703	*$9,703
MOE as Pct:		14.0%	14.0%
**NSRL:		0	0

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2019-2023 5 Yr Estimates (Table B19013 *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

** NSRL (Non-Standard Rate Levels):
0 = Income above Kentucky MHI (KMHI).
1 = Income between 80% KMHI and KMHI.
2 = Income less than or equal to 80% KMHI.
- KMHI = $62,417
- 80% KHMI = $49,934

New Customers	
New Residential Customers:	
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:		
To Underserved Households:		
To Total Households:		
** Cost Per Household:		

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

** Cost per household is based on surveyed household counts, not GIS overlay values.

Geographic Impacts For Project Area

Counties
Mercer

Legislative Districts	
District Name	Legislator
House 055	Kim King
Senate 12	Amanda Mays Bledsoe
Congressional 6	Andy Barr

Groundwater Sensitivity Zones

HUC 10 Watersheds	
HUC Code	Watershed Name
0510020505	Lower Dix River

Geographic Impacts For Included System(s)

Counties
Boyle
Mercer

Legislative Districts	
District Name	Legislator
House 054	Daniel Elliott
House 055	Kim King
Senate 12	Amanda Mays Bledsoe
Congressional 1	James Comer
Congressional 6	Andy Barr

DW Specific Impacts

- ◯ This project relates to a public health emergency.
- ◯ This project will assist a non-compliant system to achieve compliance.
- ◯ This project will assist a compliant system to meet future requirements.
- ◯ This project will provide assistance not compliance related.
- ◯ This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- ✓ Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).
- ◯ Primary system has had an action level exceedance (lead concentrations exceed an action level of 15 ppb in more than 10% of customer taps sampled) within the last compliance period.
- ◯ Primary system has received a lead trigger level exceedance (lead concentrations exceed a trigger level of 10 ppb in more than 10% of customer taps sampled) within the last compliance period.

Project Readiness - Lead Inventory and Lead Service Line Replacement:

Lead Service Line Inventory:

- ◯ A description of goals to be achieved and products to be created (e.g., electronic or GIS database; customer communication tools) when creating a lead service line inventory procedure, including a proposed timeline for achieving each goal.

Lead Service Line Replacement:

- ◯ A strategy for informing customers before a LSLR and a template for an agreement with the private property owner to replace the LSL.
- ◯ A process for documenting all property owners declining replacement of privately owned portion of LSL.
- ◯ A procedure for customers to flush service lines and premise plumbing of particulate lead.
- ◯ A proposed plan for conducting LSL replacement utilizing all requested funding.
- ◯ A funding strategy for conducting LSLRs utilizing all requested funding.

Project Components - Mapped Point Features

DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0840587	1	WATER TANK	BOLTS TO BE REPLACED AND MASTIC COVERING ON SEAMS	REHAB			

Administrative Components:

◯ Planning ◯ Design ✓ Construction ◯ Management

Audits on Record Associated With Applicant

Audit Year	Entity Name	Entity Relationship

Regionalization Components and Eliminated Systems/Plants:

Public Water Systems Eliminated:

- ◯ This project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- ◯ This project includes the elimination of water treatment plant(s).

Supplementation of Raw Water Supply:

- ◯ This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- ◯ This project includes supplementing the existing potable water supply.

Supplementation of Emergency Water Supply:

◯ This project includes supplementing the existing emergency water supply.

Water Source Protection

◯ This project will preventatively address PFAS or other emerging contaminants of the source water.
◯ This project will address current PFAS or other emerging contaminants of the source water.
◯ This project rehabilitates a water source dam or reservior.
◯ This project includes land acquisition for water source protection.

Water Treatment Components

◯ This project includes water treatment components.

Water Distribution and Storage Components:

✓ This project includes water distribution and/or storage components.

Water Line Extensions:

◯ This project includes water line extension(s).
  ◯ This projects extends service to unserved rural areas.

Redundancy Components:

◯ This project includes emergency power generators for distribution and/or storage activities.
◯ This project includes redundant distribution and/or storage processes.

Finished Water Quality:

◯ This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).

Service Line Inventory:

◯ This project includes implementation of a service line inventory.
  ◯ Incorporates GIS procedures or methods to record the service line inventory.
  ◯ Service line inventory replacement will be integrated into asset management planning.

Water Line Replacement:

◯ This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.
◯ In-line or in-situ repair medhods will be used in lieu of water line replacement.

Total length of in-place or in-line repair (LF): -

◯ This project replaces lead service lines.

Water Loss in the past 12 Months:

The system has experienced the following water loss over the past 12 months:

Water Loss Volume (MG):	**58.755**
Water Loss Percent (%):	**28.000**

Water Storage and Pressure Components:

◯ This project includes the construction of new water tank(s).
◯ This project includes the replacement of existing water tank(s).
✓ This project includes the rehabilitation of existing water tank(s).

Number of rehabilitated tanks: 1

◯ This project includes the construction of new pump station(s).
◯ This project includes the rehabilitation of existing pump station(s).

Security:

◯ This project includes securily components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
☐ Bioretention	$0
☐ Trees	$0
☐ Green Roofs	$0
☐ Permeable Pavement	$0
☐ Cisterns	$0
Total Green Infrastructure Cost:	**$0**

There are no Green Infrastructure components specified for this project.

Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
☐ Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	$0
☐ Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	$0
☐ Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	$0
☐ Retrofitting/adding AMR capabilities or leak equipment to existing meters.	$0
☐ Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	$0
☐ Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	$0
☐ Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	$0
☐ Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	$0
☐ Water meter replacement with traditional water meters.*	$0
☐ Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	$0
☐ Storage tank replacement/rehabilitation to reduce water loss.*	$0
☐ New water efficient landscape irrigation system, where there currently is not one.*	$0
Total Water Efficiency Cost:	**$0**

** Indicates a business case may be required for this item.*

There are no Water Efficiency components specified for this project.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

	Component	Cost
☐	Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	$0
☐	Utility-owned or publicly-owned renewable energy projects.	$0
☐	Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	$0
☐	Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs).*	$0
☐	Pump refurbishment to optimize pump efficiency.*	$0
☐	Projects that result from an energy efficient related assessment.*	$0
☐	Projects that cost effectively eliminate pumps or pumping stations.*	$0
☐	Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	$0
☐	Upgrade of lighting to energy efficient sources.*	$0
☐	Automated and remote control systems (SCADA) that achieve substantial energy savings.*	$0
	Total Energy Efficiency Cost:	$0

** Indicates a business case may be required for this item.*

There are no Energy Efficiency components specified for this project.

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

	Component	Cost
☐	Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	$0
☐	Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	$0
☐	Source water protection planning (delineation, monitoring, modeling).	$0
☐	Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	$0
☐	Utility sustainability plan consistent with EPA's sustainability policy.	$0
☐	Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	$0
☐	Construction of US Building Council LEED certified buildings, or renovation of an existing building.	$0
☐	Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	$0
☐	Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	$0
☐	Trenchless or low impact construction technology.*	$0
☐	Using recycled materials or re-using materials on-site.*	$0
☐	Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	$0
☐	Projects that achieve the goals/objectives of utility asset management plans.*	$0
	Total Environmentally Innovative Cost:	$0

** Indicates a business case may be required for this item.*

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

Component

Last Rate Adjustment Date: **10-05-2023** **Download Fee Schedule**

Rate Adjustment Age: **15 months**

System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: **0.92%**

☐ The system(s) has an Asset Management Plan (AMP).

☐ The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

Project Status:	Approved	Date Approved: 04-19-2024	Date Revised: