



Andy Beshear
GOVERNOR

ENERGY AND ENVIRONMENT CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

300 Sower Boulevard
Frankfort, Kentucky 40601
Phone: (502) 564-2150
Fax: 502-564-4245

Rebecca Goodman
SECRETARY

Anthony R. Hatton
COMMISSIONER

KENTUCKY DIVISION OF WATER WELLHEAD PROTECTION PLAN 5-YEAR UPDATE FORM

Update Requirements:

This form should be used for the 5-year update submittal requirements of the Kentucky Wellhead Protection Program (WHPP) in compliance with 401 KAR 4:220 and SDWA Section 1428. Once the form is complete, please sign and send to:

Kentucky Division of Water
Watershed Management Branch
Attention: Dale Booth
300 Sower Boulevard, 3rd Floor
Frankfort, Kentucky 40601 or dale.booth@ky.gov

For assistance, contact Dale Booth at (502) 782-6895 or dale.booth@ky.gov

System Information:

PWS Name: **Owensboro Municipal Utilities**

PWS ID Number: **KY0300336**

AI Number: **943**

Contact Person/Title: **Heather King/Water Quality Lab Supervisor**

Mailing Address: **P.O. Box 806, Owensboro, KY 42302**

Telephone: **270-926-3200** Email: **Kinghr@omu.org**

System Type*: **Community**

*Community; Non-Transient/Non-Community; Transient/Non-Community

Source*: **Field of 41 Wells** *Well(s) or Spring(s) and total number of each

AKGWA #(s): **List attached wellfield inventory**

County: **Daviess**

ADD: **Green River**

WWD Permit #: **0337** Permitted Amount (mgd): **21.0 MGD**

Population Served: **Residential: 60473; Wholesale: 117717**

Overall Susceptibility Rating*: **High** *High, Medium or Low

WHPP Changes Summary: **OMU withdraws its source water from unconsolidated sand, gravel, silt, and clay deposits of the Ohio River Alluvium via a field of 41 wells. Current average monthly water withdrawals of 12.2 MGD (2020-2025) under Permit #0337. The WHPA delineation includes approximately 4,611 acres of mostly developed and agricultural land cover. The contaminant source inventory indicates 40 potential types including predominantly commercial and industrial sites. The overall susceptibility rating is high. OMU management strategies for the WHPA include education and outreach via Consumer Confidence Reports (CCR) and the development of Groundwater Protection Plans (GPPs) and Agriculture Water Quality Plans for all activities that have the potential to pollute groundwater.**

Update Form Instructions:

*Please complete each section that applies to any system or WHPP updates and submit the supporting documentation. Please indicate if a section is not applicable to this update. **Sections 4 and 6 through 11 are required for every 5-year update.***

Please sign certification on the last page upon completion.

Section Updates:

Section 1: Treatment Plant

The 30.0 MGD William R Cavin Water Treatment Plant is still located at 4067 KY 144, Owensboro, KY 42303. Plant A, which came online in 1906, was decommissioned in 2020 due to aging and the settling of a portion of the facility so the William R Cavin Water Treatment Plant capacity has been upgraded since the last update.

Section 2: Water Withdrawal and Water Quality

OMU is currently authorized for water withdrawals of up to 21.0 MGD under Permit #0337 from a Field of 41 active wells along the Ohio River. Permit #0337 was last revised in 2026 and over the last 5 years (2020-2025) average monthly water withdrawals have varied from 11.89 to 12.62 MGD with maximum monthly withdrawals varying from 13.68 to 14.27 MGD. Withdrawal rates have remained relatively consistent over the last 5 years, averaging 12.2 MGD and like past withdrawal rates from 2015-2019. Daviess County is projected to increase in population from 2020-2050. OMU is currently managing projects within their current wellfield including constructing and plugging several wells and has submitted an amendment to their Water Withdrawal Permit accordingly.

Section 3: Change or Modification to Groundwater Source

The Ohio River alluvial aquifer is the primary source of drinking water for the residents of Owensboro and Daviess County and adjacent counties in Kentucky. OMU currently has 42 active wells listed on Kentucky Groundwater Data Repository, however 5 of the wells have been plugged and/or have lost/destroyed records that need to be submitted. In addition, 3 new wells have been added to the wellfield since the last update, and an additional well will be moved to an active status. These changes result in a wellfield of 41 active wells. Copies of these records are attached to this WHPP and all records are submitted to the state by the certified well drillers once the work is complete. The wells vary from 100 to 150 feet. The aquifer consists of sand and gravel deposits that partly fill a bedrock-valley system consisting of shales of Pennsylvanian age. The valley is a result of dissection by the Ohio River during the Pleistocene epoch. The sand and gravel deposits in the bedrock valley are glacial outwash deposits of Illinoian and Wisconsin age. The thickness of the alluvium ranges from just a few feet near the bedrock-valley walls to nearly 150 feet in the Bon Harbor Hills area west of Owensboro. These sediments may yield several hundred gallons per minute to drilled wells in alluvium in the Ohio River Valley, with as much as 5,000 gallons per minute to compound horizontal wells. Nearly all wells furnish more than 500 gallons per day. Alluvium in stream valleys tributary to the Ohio River is fine grained and thin; most wells do not yield enough for domestic use. Water is hard to very hard and may contain objectionable amounts of iron.

Ohio River Alluvium physiographic region is showing significantly increasing trends for conductivity, barium, and potassium, significantly decreasing trend for orthophosphate, and detections of atrazine (Report on the Condition of Ambient Groundwater in Kentucky 2018).

Section 4 (REQUIRED): Planning Team

Leader:

Heather King – Water Quality Lab Supervisor

Team Members:

Russ Evans- Director of Production

Rodney Casteel- Water Production Maintenance Crew Leader

Matt Thompson- Water Production Technical Services Manager

Chloe Brantley- KRWa Source Water Specialist

Section 5: WHPA Delineation

The current WHPA for OMU has not changed for this update and encompasses just over 4,600 acres of mostly developed land cover that ranges from open space to high intensity, followed by cultivated crops, and pasture/hay. Please refer to the table below for the OMU WHPA delineation:

Zone	Time of Travel (TOT)	Acres
1	180-day	2,443.64
2	10-year	3,362.64
3	Hydrologic boundary	4,611.19

Section 6: WHPA Map

See attached WHPA Map.

Section 7: Contaminant Source Inventory

See attached CSI. OMU currently withdraws from a wellfield that has a delineated protection area of approximately 4,611 acres of mostly developed and agricultural land use. There are 40 potential contaminant sources that have been inventoried within the WHPA which are predominantly commercial and industrial sites and residential septic systems. A variety of land uses that overlie the alluvial aquifer represent potential sources of groundwater contamination, including agricultural areas and transportation corridors. The overall susceptibility rating is high.

Section 8: Management Strategies

Previous Management Strategy Update:

The original Water Supply Protection Area signs were placed along roadways entering Zone 1 and reportedly OMU requested new signs in 2016 to replace the old ones but apparently the transportation district never installed them. OMU would like to request new signs be installed. OMU regularly reviews and updates their Groundwater Protection Plan and promotes WHPP through education and outreach initiatives including their annual Consumer Confidence Reports and hosting various tours and other events. OMU will continue to use education and outreach to manage the WHPA including the development of Groundwater Protection Plans (GPPs) and Kentucky Agriculture Water Quality Act Plans for all activities that have the potential to pollute groundwater.

Newly Proposed Management Strategies:

OMU will continue to pursue public education and outreach to manage the WHPA including notification through their CCR and the development of GPPs and Agriculture Water Quality Plans.

Section 9: Contingency and WHP Planning

Emergency Response Phone List

Local Emergency Response	Phone Number
William Cavin Treatment Plant	270-926-3200
Owensboro Fire Department	270-687-8409
Owensboro Police Department	270-687-8888
Daviess County Health Department	270-686-7744
Local Emergency Dispatch Owensboro Central Dispatch	270-687-8888 or 911

State and Federal Assistance	Phone Number
Kentucky DOW (Frankfort)	502-564-3410
Kentucky DOW Associated Field Office (FO) Madisonville Regional Office	(270) 824-7529
Kentucky Environmental Response Team 24 hour response line	(502) 564-2380 (800) 928-2380
Kentucky State Fire Marshall	(502) 573-0382

Any Other Pertinent Contacts	Any Other Pertinent Numbers
Kentucky Rural Water Association	270-843-2291
Green River Area Development District	270-926-4433
Click here to enter text.	PHONE NUMBER

Procedures for Public Notification:

In the event of a water system emergency that could threaten public health, OMU would notify its customers via public announcements through various media outlets as outlined below.

Newspaper, Television, and Radio Stations	Phone Numbers
Eyewitness News (WEHT/WTWV-TV) http://tristatehomepage.com/	270-826-9566
Owensboro Messenger-Inquirer http://www.messenger-inquirer.com/	270-926-0123
92.5 WBKR http://wbkr.com/ 97X Rocks http://www.owensbororadio.com/	270-683-15582 270-926-9979
Owensboro Municipal Utilities https://omu.org/ & https://www.facebook.com/omu.org/	270-926-3200

Potential Future Problems:

The impacts of septic systems and agricultural practices within delineated protection area is the most likely threat to the wellfield in addition to spill related accidents or incidents along the transportation corridors throughout the WHPA.

Alternative Water Supply (Short and Long Term):

Over the short-term, issuing boiled water advisories or providing bottled water to customers. Over the long-term different treatment technologies/processes could be employed and alternative sources developed. OMU currently does not have interconnects with other systems to purchase water but sells water to Daviess County Water District and East Daviess County Water Association.

Schedule for Update and Review:

The Wellhead Protection Plan will be reviewed regularly and updated every five years as required by regulation.

Section 10: Copies of Public Notices and Education Materials

A copy of this plan will be posted on OMU's website and a link to plan will be provided to customers for public notice. A copy will be provided in the attachments for documentation.

Section 11: Public Meeting Documentation

A copy of this plan will be posted on OMU's website and a link to plan will be provided to customers for public notice. A copy will be provided in the attachments for documentation.

Certification Signature (TO BE COMPLETED BY PLANNING REPRESENTATIVE):

"I certify that this document and all attachments were prepared under my direction or supervision. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete."

Signature: Heather King Date: 9-15-2026

Printed Name/Title: Heather King/Water Quality Lab Supervisor

Assistance:

For any assistance, please contact Wellhead Protection Staff:

Dale Booth
(502) 782-6895
Dale.Booth@ky.gov

Allan Shingleton
(502) 782-6907
Allan.Shingleton@ky.gov

Please sign and return completed form to:

Kentucky Division of Water
Watershed Management Branch
Attention: Dale Booth
300 Sower Boulevard, 3rd Floor
Frankfort, Kentucky 40601
or Dale.Booth@ky.gov

Section 3

Change or Modification to Groundwater Source

AKGWA#	OMU Well ID	Current Groundwater dB Status	Notes
0003-0527	10	Active	
0003-0530	16	Active	
0003-0532	22	Active	Well has been plugged- to submit closure doc or Lost/Destroyed
0003-0533	24	Active	
0003-0536	27	Active	
0003-0537	28	Active	
0003-0540	31	Active	Plugged 2026 - Replaced by Well #74, dB status pending
0003-0542	33	Active	
0003-0545	36	Active	
0003-0547	38	Active	
0000-9228	39	Active	
0003-1340	40	Active	
0003-1341	41	Active	Plugged 2026 - Replaced by Well #75, dB status pending
0003-1342	42	Active	
0003-1343	43	Active	
0003-1344	44	Active	Plugged 2026 - Replaced by Well #76, dB status pending
0003-1345	45	Active	Well has been plugged- to submit closure doc or Lost/Destroyed
0003-1346	46	Active	
0004-9347	47	Active	
0004-9348	48	Active	
0004-9344	49	Active	
0004-1475	50	Active	
0004-9385	51	Active	
0004-9380	52	Active	
0005-6430	53	Active	
0005-6428	54	Active	
0006-1596	56	Active	
0006-1597	57	Active	
0006-1595	58	Active	
0006-7990	59	Active	
0006-1618	60	Inactive	K-Packer installed --- updating status to Active
0006-1615	61	Active	
0006-7962	63	Active	
0006-1594	64	Active	
0006-1603	65	Active	
0006-7986	66	Active	
0006-7987	67	Active	
0006-7988	68	Active	
0006-7989	69	Active	
0006-7991	70	Active	
0007-2599	71	Active	
0007-2600	72	Active	
0007-2601	73	Active	
0007-1027	74	N/A	Replaced Well 31, Active status pending
0007-1028	75	N/A	Replaced Well 41, Active status pending
0007-1029	76	N/A	Replaced Well 44, Active status pending

Thank you for submitting your information via the Kentucky Energy and Environment Cabinet eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after EEC Staff have reviewed your submittal.

The Submittal ID for this transaction is 595095 and was submitted by William Reynolds on July 13, 2026 11:50 AM Eastern Time. If you need to contact EEC regarding your submission, please reference your Submittal ID.

The eForm Submittal ID allows you to use the data from this submittal as a template and/or download a copy of your submittal.

UNIFORM KENTUCKY WATER/MONITORING WELL REPORTING RECORD

Use this form to report installation, modification or decommissioning of any temporary or permanent monitoring or water wells

Form must be completed and submitted to the Division of Water within 60 days of completion of work

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Purpose of the application ☐ (*)			
Plugging/Decommission			
Kentucky Well ID (AKGWA) Number ☐ (*)	Owner Well ID#	Well use(*)	
0003-0540	Well 31	Public - community	
	Reference Point		
	Select ...		
Owner Name and Address Information			
"Enter business name if owner is an organization. Enter first name/middle initial/last name if owner is an individual"			
Owner Business name(✓)	Owner first name(✓)	Owner middle initial	Owner last name(✓)
Owensboro Municipal Utilities	Matt		Thompson
Owner address(*)	Owner city(*)	Owner state(*)	Owner zipcode(*)
2070 Tamarack Rd	Owensboro	Kentucky	42301-
Owner telephone:(*)			
270-926-3200			
Site Name, Address and Agency Information ☒ Please check the checkbox if site address is same as the owner address			
Agency Interest (AI) Number:	Program type	Permit or ID Number	
943	Select ...		
Site Name(*)		Site telephone:	
Clayton Homes			
Site Address(*)	Site city(*)	Site state(*)	Site zipcode(*)
2070 Tamarack Rd	Owensboro	Kentucky	42301-
Supporting Documentation			

Site Map/Sketch Map(✓)	Well 31 Site Map.pdf	
Well location	Select files...	
Well Diagram (monitoring well)	Select files...	
Bacteria analysis (if applicable)(✓)	Select files...	
Approved variance (if applicable)(✓)	Select files...	
Drilling log (optional)(✓)	Select files...	
Other laboratory analysis report (optional)(✓)	Select files...	
Aquifer test results (optional)(✓)	Select files...	
Casing/Screen Supplemental Info (if applicable)	Select files...	
Other documentation (optional)	Select files...	
Well Specifications		
Well Status(*)	Well Condition(*)	
Plugged	Plugged and decommissioned ▼	
Well Location		
Well latitude(decimal degrees)(*) Driller Viewer	Well longitude(decimal degrees)(*)	Method(*)
37.783056	-87.076667	GPS ▼
USGS 7.5' quadrangle(*)	County(*)	Physiographic region(*)
OWENSBORO EAST ▼	Daviess ▼	Ohio River Alluvium ▼
Surface elevation(ft)(*)	Surface elevation method(*)	Well in flood zone?(*)
402	GPS ▼	No ▼
Plugging:		
Plugging activity(*)		Was well disinfected?(*)
Casing cutoff (min 5 ft bgl), borehole filled w/gravel/sand bottom to SWL, gr... ▼		Yes ▼
Work start date(*)	Work end date(*)	
05/18/2026 	05/22/2026 	
Screened from depth (ft) :	Screened to depth (ft):	
88	128	

Total depth (ft) :	Casing Diameter (in):	Casing material:	
128	12	Iron	
Sealing material:			
From Depth (ft)	To Depth (ft)	Material	X
25	128	Washed gravel	X Delete
5	25	Cement (neat)	X Delete
Water wells only			
Cuttings (check all that apply):	☐ Clay	☐ Shale	☐ Limestone
Comments			
Affirmation			
I certify under penalty of law that this document/electronic submittal and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. By submitting data, this transmission constitutes my signature and I am responsible for any and all content submitted either by me or by the people I represent.			
Date affirmed(*)	07/13/2026 		
Driller first name(*)	Shawn		
Driller middle initial	B		
Driller last name(*)	Fisher		
Driller suffix			
Certification number(*)	0397-0605-00		
Certification company(*)	National Water Services		

Thank you for submitting your information via the Kentucky Energy and Environment Cabinet eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after EEC Staff have reviewed your submittal.

The Submittal ID for this transaction is 595134 and was submitted by William Reynolds on July 13, 2026 12:43 PM Eastern Time. If you need to contact EEC regarding your submission, please reference your Submittal ID.

The eForm Submittal ID allows you to use the data from this submittal as a template and/or download a copy of your submittal.

UNIFORM KENTUCKY WATER/MONITORING WELL REPORTING RECORD

Use this form to report installation, modification or decommissioning of any temporary or permanent monitoring or water wells

Form must be completed and submitted to the Division of Water within 60 days of completion of work

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Purpose of the application ☐ (*)			
Plugging/Decommission			
Kentucky Well ID (AKGWA) Number ☐ (*)	Owner Well ID#	Well use(*)	
0003-1341	Well 41	Public - community	
	Reference Point		
	Select ...		
Owner Name and Address Information			
"Enter business name if owner is an organization. Enter first name/middle initial/last name if owner is an individual"			
Owner Business name(✓)	Owner first name(✓)	Owner middle initial	Owner last name(✓)
Owensboro Municipal Utilities	Matt		Thompson
Owner address(*)	Owner city(*)	Owner state(*)	Owner zipcode(*)
2070 Tamarack Rd	Owensboro	Kentucky	42301-
Owner telephone:(*)			
270-926-3200			
Site Name, Address and Agency Information ☒ Please check the checkbox if site address is same as the owner address			
Agency Interest (AI) Number:	Program type	Permit or ID Number	
943	Select ...		
Site Name(*)		Site telephone:	
Detention Center			
Site Address(*)	Site city(*)	Site state(*)	Site zipcode(*)
2070 Tamarack Rd	Owensboro	Kentucky	42301-
Supporting Documentation			

Site Map/Sketch Map(✓)	Well 41 Site Map.pdf	
Well location	Select files...	
Well Diagram (monitoring well)	Select files...	
Bacteria analysis (if applicable)(✓)	Select files...	
Approved variance (if applicable)(✓)	Select files...	
Drilling log (optional)(✓)	Select files...	
Other laboratory analysis report (optional)(✓)	Select files...	
Aquifer test results (optional)(✓)	Select files...	
Casing/Screen Supplemental Info (if applicable)	Select files...	
Other documentation (optional)	Select files...	

Well Specifications		
Well Status(*)	Well Condition(*)	
Plugged	Plugged and decommissioned ▼	

Well Location		
Well latitude(decimal degrees)(*) Driller Viewer	Well longitude(decimal degrees)(*)	Method(*)
37.786111	-87.069444	GPS ▼
USGS 7.5' quadrangle(*)	County(*)	Physiographic region(*)
OWENSBORO EAST ▼	Daviess ▼	Ohio River Alluvium ▼
Surface elevation(ft)(*)	Surface elevation method(*)	Well in flood zone?(*)
400	GPS ▼	No ▼

Plugging:		
Plugging activity(*)		Was well disinfected?(*)
Casing cutoff (min 5 ft bgl), borehole filled w/gravel/sand bottom to SWL, gr... ▼		Yes ▼
Work start date(*)	Work end date(*)	
05/18/2026 	05/22/2026 	
Screened from depth (ft) :	Screened to depth (ft):	
98	133	

Total depth (ft) :	Casing Diameter (in):	Casing material:	
133	16	Iron	
Sealing material:			
From Depth (ft)	To Depth (ft)	Material	X
25	133	Washed gravel	X Delete
5	25	Cement (neat)	X Delete
Water wells only			
Cuttings (check all that apply):		☐ Clay	☐ Shale
		☐ Limestone	
Comments			
Affirmation			
I certify under penalty of law that this document/electronic submittal and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. By submitting data, this transmission constitutes my signature and I am responsible for any and all content submitted either by me or by the people I represent.			
Date affirmed(*)	07/13/2026 		
Driller first name(*)	Shawn		
Driller middle initial	B		
Driller last name(*)	Fisher		
Driller suffix			
Certification number(*)	0397-0605-00		
Certification company(*)	National Water Services		

Thank you for submitting your information via the Kentucky Energy and Environment Cabinet eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after EEC Staff have reviewed your submittal.

The Submittal ID for this transaction is 595138 and was submitted by William Reynolds on July 13, 2026 12:50 PM Eastern Time. If you need to contact EEC regarding your submission, please reference your Submittal ID.

The eForm Submittal ID allows you to use the data from this submittal as a template and/or download a copy of your submittal.

UNIFORM KENTUCKY WATER/MONITORING WELL REPORTING RECORD

Use this form to report installation, modification or decommissioning of any temporary or permanent monitoring or water wells

Form must be completed and submitted to the Division of Water within 60 days of completion of work

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Purpose of the application ☐ (*)			
Plugging/Decommission			
Kentucky Well ID (AKGWA) Number ☐ (*)	Owner Well ID#	Well use(*)	
0003-1344	Well 44	Public - community	
	Reference Point		
	Select ...		
Owner Name and Address Information			
"Enter business name if owner is an organization. Enter first name/middle initial/last name if owner is an individual"			
Owner Business name(✓)	Owner first name(✓)	Owner middle initial	Owner last name(✓)
Owensboro Municipal Utilities	Matt		Thompson
Owner address(*)	Owner city(*)	Owner state(*)	Owner zipcode(*)
2070 Tamarack Rd	Owensboro	Kentucky	42301-
Owner telephone:(*)			
270-926-3200			
Site Name, Address and Agency Information ☒ Please check the checkbox if site address is same as the owner address			
Agency Interest (AI) Number:	Program type	Permit or ID Number	
943	Select ...		
Site Name(*)		Site telephone:	
St Pius (Ball Fields)			
Site Address(*)	Site city(*)	Site state(*)	Site zipcode(*)
2070 Tamarack Rd	Owensboro	Kentucky	42301-
Supporting Documentation			

Site Map/Sketch Map(✓)	Well 44 Site Map.pdf	
Well location	Select files...	
Well Diagram (monitoring well)	Select files...	
Bacteria analysis (if applicable)(✓)	Select files...	
Approved variance (if applicable)(✓)	Select files...	
Drilling log (optional)(✓)	Select files...	
Other laboratory analysis report (optional)(✓)	Select files...	
Aquifer test results (optional)(✓)	Select files...	
Casing/Screen Supplemental Info (if applicable)	Select files...	
Other documentation (optional)	Select files...	

Well Specifications		
Well Status(*)	Well Condition(*)	
Plugged	Plugged and decommissioned ▼	

Well Location		
Well latitude(decimal degrees)(*) Driller Viewer	Well longitude(decimal degrees)(*)	Method(*)
37.784558	-87.066607	GPS ▼
USGS 7.5' quadrangle(*)	County(*)	Physiographic region(*)
OWENSBORO EAST ▼	Daviess ▼	Ohio River Alluvium ▼
Surface elevation(ft)(*)	Surface elevation method(*)	Well in flood zone?(*)
415	GPS ▼	No ▼

Plugging:	
Plugging activity(*)	Was well disinfected?(*)
Casing cutoff (min 5 ft bgl), borehole filled w/gravel/sand bottom to SWL, gr... ▼	Yes ▼
Work start date(*)	Work end date(*)
05/18/2026 	05/22/2026 
Screened from depth (ft) :	Screened to depth (ft):
97	132

Total depth (ft) :	Casing Diameter (in):	Casing material:	
132	16	Iron	
Sealing material:			
From Depth (ft)	To Depth (ft)	Material	X
25	132	Washed gravel	X Delete
5	25	Cement (neat)	X Delete
Water wells only			
Cuttings (check all that apply):	☐ Clay	☐ Shale	☐ Limestone
Comments			
Affirmation			
I certify under penalty of law that this document/electronic submittal and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. By submitting data, this transmission constitutes my signature and I am responsible for any and all content submitted either by me or by the people I represent.			
Date affirmed(*)	07/13/2026 		
Driller first name(*)	Shawn		
Driller middle initial	B		
Driller last name(*)	Fisher		
Driller suffix			
Certification number(*)	0397-0605-00		
Certification company(*)	National Water Services		

Thank you for submitting your information via the Kentucky Energy and Environment Cabinet eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after EEC Staff have reviewed your submittal. The Submittal ID for this transaction is 573901 and was submitted by William Reynolds on June 05, 2026 02:49 PM Eastern Time.

If you need to contact EEC regarding your submission, please reference your Submittal ID. The eForm Submittal ID allows you to use the data from this form as a template. In addition, you may download a copy of your submittal by returning to the details page.

UNIFORM KENTUCKY WATER/MONITORING WELL REPORTING RECORD

Use this form to report installation, modification or decommissioning of any temporary or permanent monitoring or water wells

Form must be completed and submitted to the Division of Water within 60 days of completion of work

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Purpose of the application(*)  Note: If you are reporting anything other than a new installation and have no AKGWA number, search for it here: (https://kgs.uky.edu/kgsweb/DataSearching/Water/WaterWellSearch.asp) If you still need one, contact DOWDrillersProgram@ky.gov (mailto:DOWDrillersProgram@ky.gov?subject=Need%20AKGWA%20for%20eForm%20submittal) for an AKGWA number before proceeding. Install only 			
Kentucky Well ID (AKGWA) (*) Number  Be sure to check the AKGWA Number against the Owner Well ID# before submitting this record. 0007-1027	Owner Well ID# 74 Reference Point 	Well use(*) Public - community 	
Water Well Info			
Wellhead			
Sanitary seal(*) Yes 	Well cap(*) Yes 	Vent(*) Yes 	Concrete pad(*) Yes 

Turbine plate(*) No	Backflow preventer(*) Yes	Upright frost free hydrant w/ backflow preventer (*) No	Expansion tank location (*) Other If other, please specify (✓) N/A
Well yield & units 750 gpm		Well Yield Method(✓) Measured	
Well service (# of people served) 	Pitless adapter installed Yes	Pump installed Turbine	Depth to intake (ft) 87
Apparent Quality:			
Appearance 	Color 	Odor/Taste type None	Odor/Taste level
Bacteria Testing			
Date sampled(*) 03/30/2026		Date analyzed(*) 03/31/2026	
Total Coliform test results(✓) Absent MPN 		E.Coli test results(✓) Absent or MPN 	
Disinfectant amount 55 gal		Disinfectant type Hypochlorite	
Owner Name and Address Information "Enter business name if owner is an organization. Enter first name/middle initial/last name if owner is an individual"			
Owner Business name(✓)	Owner first name(✓)	Owner middle initial	Owner last name(✓)

Owensboro Municipal Utilities	Matt	Middle init	Thompson
Owner address(*) 2070 Tamarack Rd	Owner city(*) Owensboro	Owner state(*) Kentucky ▼	Owner zipcode (*) 42301
Owner telephone:(*) 270-926-3200			
Site Name, Address and Agency Information ☒ Please check the checkbox if site address is same as the owner address			
Agency Interest (AI) Number: AI #; leave blank if unknown	Program type ▼	Permit or ID Number	
Site Name(*) Well 74	Site telephone: ###-###-####		
Site Address(*) 2070 Tamarack Rd	Site city(*) Owensboro	Site state(*) Kentucky ▼	Site zipcode (*) 42301
Supporting Documentation			
Site Map/Sketch Map(✓)	Upload file		
Well location	Upload file		
Well Diagram (monitoring well)	Upload file		
Bacteria analysis (if applicable)	Upload file		
Approved variance (if applicable)	Upload file		
Drilling log (optional)	Upload file		
Other laboratory analysis report (optional)	Upload file		
Aquifer test results (optional)	Upload file		
Casing/Screen Supplemental Info (if applicable)	Upload file		
Other documentation (optional)	Upload file		
Well Specifications			

Active(*) Yes		Unsuitable for Intended use(*) No	
Discharge permit required?(*) Yes		Withdrawal permit required?(*) Yes	
Artesian/flowing(*) No	If so, height (in):(✓) 	Nested wells(*) No	If so, number:(✓)
Comments 			

Thank you for submitting your information via the Kentucky Energy and Environment Cabinet eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after EEC Staff have reviewed your submittal. The Submittal ID for this transaction is 587049 and was submitted by William Reynolds on June 05, 2026 03:07 PM Eastern Time.

If you need to contact EEC regarding your submission, please reference your Submittal ID. The eForm Submittal ID allows you to use the data from this form as a template. In addition, you may download a copy of your submittal by returning to the details page.

UNIFORM KENTUCKY WATER/MONITORING WELL REPORTING RECORD

Use this form to report installation, modification or decommissioning of any temporary or permanent monitoring or water wells

Form must be completed and submitted to the Division of Water within 60 days of completion of work

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Purpose of the application(*)  Note: If you are reporting anything other than a new installation and have no AKGWA number, search for it here: (https://kgs.uky.edu/kgsweb/DataSearching/Water/WaterWellSearch.asp) If you still need one, contact DOWDrillersProgram@ky.gov (mailto:DOWDrillersProgram@ky.gov?subject=Need%20AKGWA%20for%20eForm%20submittal) for an AKGWA number before proceeding. Install only 			
Kentucky Well ID (AKGWA) (*) Number  Be sure to check the AKGWA Number against the Owner Well ID# before submitting this record. 0007-1028	Owner Well ID# 75 Reference Point 	Well use(*) Public - community 	
Water Well Info			
Wellhead			
Sanitary seal(*) Yes 	Well cap(*) Yes 	Vent(*) Yes 	Concrete pad(*) Yes 

Turbine plate(*) No	Backflow preventer(*) Yes	Upright frost free hydrant w/ backflow preventer (*) No	Expansion tank location (*) Other If other, please specify (✓) N/A
Well yield & units 750 gpm		Well Yield Method(✓) Measured	
Well service (# of people served) 	Pitless adapter installed Yes	Pump installed Turbine	Depth to intake (ft) 87
Apparent Quality:			
Appearance 	Color 	Odor/Taste type 	Odor/Taste level
Bacteria Testing			
Date sampled(*) 04/14/2026		Date analyzed(*) 04/15/2026	
Total Coliform test results(✓) Absent MPN 		E.Coli test results(✓) Absent or MPN 	
Disinfectant amount 55 gal		Disinfectant type Hypochlorite	
Owner Name and Address Information "Enter business name if owner is an organization. Enter first name/middle initial/last name if owner is an individual"			
Owner Business name(✓)	Owner first name(✓)	Owner middle initial	Owner last name(✓)

Owensboro Municipal Utilities	Matt	Middle init	Thompson
Owner address(*) 2070 Tamarack Rd	Owner city(*) Owensboro	Owner state(*) Kentucky ▼	Owner zipcode (*) 42301
Owner telephone:(*) 270-926-3200			
Site Name, Address and Agency Information ☒ Please check the checkbox if site address is same as the owner address			
Agency Interest (AI) Number: AI #; leave blank if unknown	Program type ▼	Permit or ID Number	
Site Name(*) Well 75	Site telephone: ###-###-####		
Site Address(*) 2070 Tamarack Rd	Site city(*) Owensboro	Site state(*) Kentucky ▼	Site zipcode (*) 42301
Supporting Documentation			
Site Map/Sketch Map(✓)	Upload file		
Well location	Upload file		
Well Diagram (monitoring well)	Upload file		
Bacteria analysis (if applicable)	Upload file		
Approved variance (if applicable)	Upload file		
Drilling log (optional)	Upload file		
Other laboratory analysis report (optional)	Upload file		
Aquifer test results (optional)	Upload file		
Casing/Screen Supplemental Info (if applicable)	Upload file		
Other documentation (optional)	Upload file		
Well Specifications			

Active(*) Yes		Unsuitable for Intended use(*) No	
Discharge permit required?(*)(No		Withdrawal permit required?(*)(Yes	
Artesian/flowing(*) No	If so, height (in):(✓) 	Nested wells(*) No	If so, number:(✓)
Well Location			
Well <u>Driller Viewer</u> latitude(decimal(http://watermaps.ky.gov/gis/gisweb) degrees)(*) 37.78675	Well longitude(decimal (*) -87.069611	Method(*) GPS	
USGS 7.5' quadrangle(*) OWENSBORO EAST	County(*) Daviess	Physiographic region(*) Ohio River Alluvium	
Surface elevation(ft)(*) 405	Surface elevation method(*) GPS	Well in flood zone?(*)(No	
Construction			
Install start date(*) 10/21/2025		Install end date(*) 4/13/2026	
Drilling method(*) Auger - bucket		Specify drilling method combinations(✓) Specify drilling method combinations	
Drilling method has no annular space (*) No	Multiple screens ?(*) No	Well development method (*) Combinations of m	Specify development method combinations (✓) surging, high velocity injection
Surface Completion :			
Protective surface casing (*) No	Protective surface casing type (✓) 	Protective surface casing height above surface(in) (✓)	Water-tight locking cap (*) Yes

		height(in)			
Concrete pad?(*) if Yes, enter length(in) X Width(in) X height(in) in textbox below No length(in) X Width(in) X height(in)		Bumper guards?(*) if so, enter number below: No number of bumper guards		Weep holes(*) if yes, enter number below No number of weep holes	
Outer casing(*)	Outer casing type(✓)	Outer casing height (✓) above surface(in)	Outer casing 2 foot (✓) above flood level ?		
No					
Inner casing(*)	Inner casing type(✓)	Inner casing height (✓) above surface(in)	Inner casing 2 foot (✓) above flood level ?		
Yes	Steel	24	Yes		
Please report depths in feet below ground surface,					
Total depth (ft bgs):(*)		Depth to bedrock (ft bgs):(✓)			
127		127			
Static water level (ft bgs):		SWL method(✓)			
54		Measured			
Casing/open borehole: (*)Note: When entering a row of data, From Depth, To Depth, Borehole diameter and Casing Type are required fields					
<u>From Depth (ft)</u>	<u>To Depth (ft)</u>	<u>Borehole diameter (in)</u>	<u>Casing OD (in)</u>	<u>Casing ID (in)</u>	<u>Casing Type</u>
0.	87.1	30.	20.	19.25	Steel
Screen:					
<u>From Depth (ft)</u>	<u>To Depth (ft)</u>	<u>Borehole diameter (in)</u>	<u>Screen OD (in)</u>	<u>Screen ID (in)</u>	<u>Screen Type</u>
87.10	127.10	30.00	20.00	19.25	Steel - stainless
0.03					
Annulus fill and seal					
<u>Section</u>	<u>From Depth (ft)</u>	<u>To Depth (ft)</u>	<u>Material</u>		
Filterpack	25.	127.10	Gravel		
Grout	0.	20.0	Cement - neat		

Lithologic log

<u>From Depth (ft)</u>	<u>To Depth (ft)</u>	<u>Description</u>
2	25	Brown Clay
35	45	Fine gray clay
25	35	Sandy brown clay
0	0	Top Soil
45	65.00	brown sand
65	127.10	sandy gray gravel

Comments

Affirmation

I certify under penalty of law that this document/electronic submittal and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. By submitting data, this transmission constitutes my signature and I am responsible for any and all content submitted either by me or by the people I represent.

Date affirmed(*)

Driller first name(*)

Driller middle initial

Driller last name(*)

Driller suffix

Certification number(*)

Certification company(*)

Click to Save Values for Future Retrieval

Click to Submit to EEC

Thank you for submitting your information via the Kentucky Energy and Environment Cabinet eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after EEC Staff have reviewed your submittal.

The Submittal ID for this transaction is 595415 and was submitted by William Reynolds on July 14, 2026 02:53 PM Eastern Time. If you need to contact EEC regarding your submission, please reference your Submittal ID.

The eForm Submittal ID allows you to use the data from this submittal as a template and/or download a copy of your submittal.

UNIFORM KENTUCKY WATER/MONITORING WELL REPORTING RECORD

Use this form to report installation, modification or decommissioning of any temporary or permanent monitoring or water wells

Form must be completed and submitted to the Division of Water within 60 days of completion of work

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Purpose of the application ☐(*)

Install only

Kentucky Well ID (AKGWA) Number ☐(*)

0007-1029

Owner Well ID#

Well 76

Well use(*)

Public - community

Reference Point

Select ...

Monitoring Well Info

Wellhead

Manhole cover and gasket ?(*)

No

if so, diameter (in):(✓)

Dedicated pump(*)

No Pump

Flush mount(*)

No

Cap(*)

Water-tight and lockable

Owner Name and Address Information

"Enter business name if owner is an organization. Enter first name/middle initial/last name if owner is an individual"

Owner Business name(✓)

Owensboro Municipal Utilities

Owner first name(✓)

Matt

Owner middle
initial

Owner last name(✓)

Thompson

Owner address(*)

2070 Tamarack Rd

Owner city(*)

Owensboro

Owner state(*)

Kentucky

Owner zipcode(*)

42301-____

Owner telephone:(*)

270-926-3200

Site Name, Address and Agency Information ☐ Please check the checkbox if site address is same as the owner address

Agency Interest (AI) Number:

943

Program type

Select ...

Permit or ID Number

Site Name(*) Well 76		Site telephone: 	
Site Address(*) 2070 Tamarack Rd	Site city(*) Owensboro	Site state(*) Kentucky ▼	Site zipcode(*) 42301-
Supporting Documentation			
Site Map/Sketch Map(✓)		Well 76 Site Map.pdf	
Well location		Select files...	
Well Diagram (monitoring well)		Select files...	
Bacteria analysis (if applicable)(✓)		Well 76 - Bact Result.pdf	
Approved variance (if applicable)(✓)		Select files...	
Drilling log (optional)(✓)		OMU Field Boring Log (Well No. 44A)(#76).pdf	
Other laboratory analysis report (optional)(✓)		Select files...	
Aquifer test results (optional)(✓)		Select files...	
Casing/Screen Supplemental Info (if applicable)		Select files...	
Other documentation (optional)		Select files...	
Well Specifications			
Active(*) Yes		Unsuitable for Intended use(*) No	
Discharge permit required?(*) No		Withdrawal permit required?(*) Yes	
Artesian/flowing(*) No	If so, height (in):(✓) 	Nested wells(*) No	If so, number:(✓)
Well Location			
Well latitude(decimal degrees)(*) Driller Viewer 37.784808	Well longitude(decimal degrees)(*) -87.066937	Method(*) GPS	
USGS 7.5' quadrangle(*) OWENSBORO EAST	County(*) Daviess	Physiographic region(*) Ohio River Alluvium	
Surface elevation(ft)(*) 415	Surface elevation method(*) GPS	Well in flood zone?(*) No	

Construction							
Install start date(*) 10/28/2025				Install end date(*) 10/31/2025			
Drilling method(*) Auger - bucket				Specify drilling method combinations(✓) 			
Drilling method has no annular space(*) No		Multiple screens ?(*) No		Well development method(*) Combinations of me...		Specify development method combinations(✓) surging, high velocity injec	
Surface Completion :							
Protective surface casing(*) No		Protective surface casing type(✓) Select ...		Protective surface casing height above surface(in)(✓) 		Water-tight locking cap(*) Yes	
Concrete pad?(*) if Yes, enter length(in) X Width(in) X height(in) in textbox below No		Bumper guards?(*) if so, enter number below: No		Weep holes(*) if yes, enter number below No			
Outer casing(*) No		Outer casing type(✓) Select ...		Outer casing height above surface(in)(✓) 		Outer casing 2 foot above flood level ?(✓) Select ...	
Inner casing(*) Yes		Inner casing type(✓) Steel		Inner casing height above surface(in)(✓) 24		Inner casing 2 foot above flood level ?(✓) Yes	
Please report depths in feet below ground surface,							
Total depth (ft bgs):(*) 127.3				Depth to bedrock (ft bgs):(✓) 127.3			
Static water level (ft bgs): 65.5				SWL method(✓) Measured			
Casing/open borehole:							
(*)Note: When entering a row of data, From Depth, To Depth, Borehole diameter and Casing Type are required fields							
From Depth (ft)	To Depth (ft)	Borehole diameter (in)	Casing OD (in)	Casing ID (in)	Casing Type	X	
0	87.3	32	20	19.25	Steel		✕ Delete
Screen:							
From Depth (ft)	To Depth (ft)	Borehole diameter (in)	Screen OD (in)	Screen ID (in)	Screen Type	Screen Slot Size (in)	X
87.3	127.3	32	20	19.25	Steel - stainless	0.03	✕ Delete
Annulus fill and seal							
Section	From Depth (ft)	To Depth (ft)	Material	X			
Seal	20	25	Bentonite		✕ Delete		

Section	From Depth (ft)	To Depth (ft)	Material	X
Filterpack	25	127.3	Gravel	✕ Delete
Grout	0	20	Cement - neat	✕ Delete

Lithologic log

From Depth (ft)	To Depth (ft)	Description	X
118	127.7	Finen gray sand with few gravel	✕ Delete
90	118	Fine gray sand	✕ Delete
55	90	Fine brown sand	✕ Delete
16	55	Silty Gray clay	✕ Delete
3	16	Brown clay	✕ Delete
0	3	Topsoil	✕ Delete

Comments

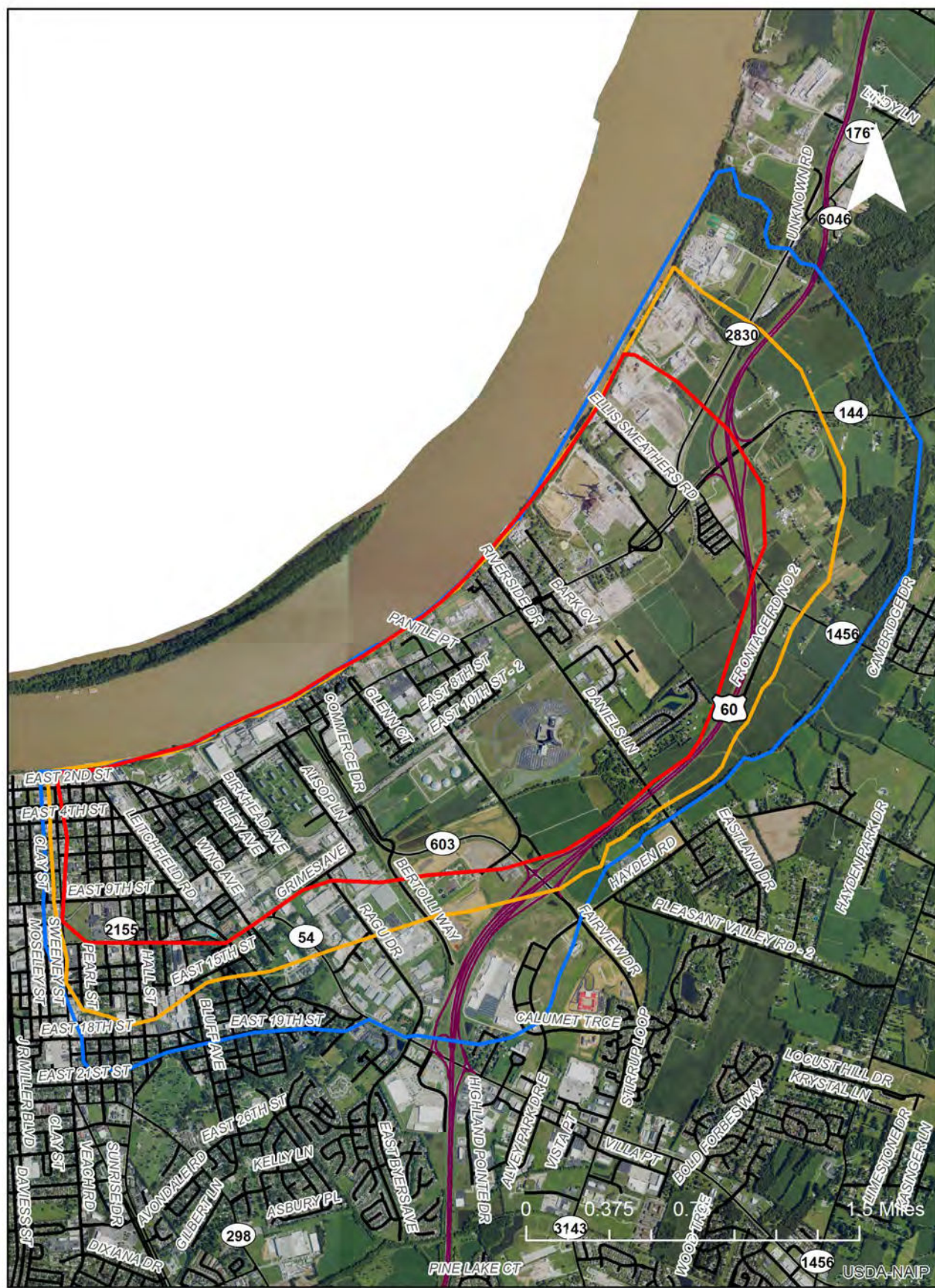
Affirmation

I certify under penalty of law that this document/electronic submittal and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. By submitting data, this transmission constitutes my signature and I am responsible for any and all content submitted either by me or by the people I represent.

Date affirmed(*)	07/14/2026 
Driller first name(*)	Shawn
Driller middle initial	B
Driller last name(*)	Fisher
Driller suffix	
Certification number(*)	0397-0605-00
Certification company(*)	National Water Services, LLC

Section 6

WHPA Map



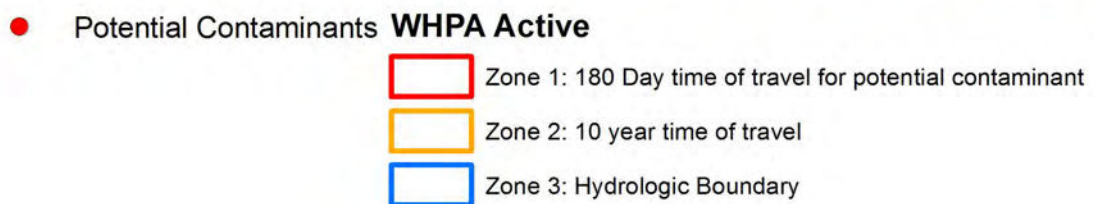
WHPA Active

- Zone 1: 180 Day time of travel for potential contaminant
- Zone 2: 10 year time of travel
- Zone 3: Hydrologic Boundary

Section 7

Containment Source Inventory

Zone 3: Hydrologic Boundary



Contaminant Source Inventory and Susceptibility Analysis for *Owensboro Municipal Utilities (KY0300336)*

Instructions (section may be deleted on submission):

Use the following table to list and rank potential contaminants identified during the contaminant source inventory.

Include Lat/Lon or addresses when possible. Enter the WHPA in which the contaminant occurs.

Multiple, similar sources that are clustered can be listed once with the Quantity identified.

The Proximity Ranking is based on the WHPA in which the contaminant is located (WHPA 1=3; WHPA 2=2; WHPA 3=1).

Contaminant Value is on a 1-3 scale, based upon its potential threat; consult the Contaminant Source Types_Values guide.

Hydrologic Sensitivity: The physical, chemical, geological, hydrological, and biological characteristics of the area over which, or through which, the contaminants move to the aquifer have various capabilities to detain or attenuate contaminant releases. Consult the Hydrologic Sensitivity tab.

The spreadsheet will use the values entered to calculate the Numeric Rating for each contaminant source.

- o $\text{Numeric Rating} = (\text{Proximity Value} \times 2) + (\text{Contaminant Value} \times 3) + (\text{Hydrologic Sensitivity Value})$

This will determine the Susceptibility Ranking: Numeric Rating less than 10 = Low; 10-15 = Medium; greater than 15 = High.

Please contact SWP/WHPP staff if you have any questions.

Contact:

Dale Booth; Dale.booth@ky.gov; 502-782-6895

Ryan Parks; Ryan.parks@ky.gov; 502-7824039

CSI Map ID #	Site ID	Contaminant Source Type	CS CODE	Name	Address	Lat	Lon	Quantity	Zone	Proximity Value	Contaminant Value	Hydrologic Sensitivity	Numeric Rating	Susceptibility Ranking	Contaminant Notes
1		Asphalt/ Cement/ Concrete Plants	I-1	Owensboro Downtown Yard - Mulzer Crushed Stone, Inc.	701 E 2nd St, Owensboro, KY 42303	37.7755	-87.1043	1	Zone 1, 2& 3	3	2	4	16	HIGH	
2		Asphalt/ Cement/ Concrete Plants	I-1	Lafarge North America	1215 E 2nd St, Owensboro, KY 42303	37.7766	-87.0972	1	1	3	2	4	16	HIGH	
3		Churches	C-9	Sts. Joseph and Paul Catholic Church	609 E 4th St, Owensboro, KY 42303	37.7734	-87.1047	1	1	3	2	4	16	HIGH	
4		Hospitals*	C-21	Owensboro Health Family Medicine in Owensboro	1000 Breckenridge St Suite 200, Owensboro, KY 42303	37.7666	-87.1005	1	1	3	2	4	16	HIGH	
5		Churches	C-9	Life Community Church	1101 Breckenridge St, Owensboro, KY 42303	37.7659	-87.098	1	1	3	2	4	16	HIGH	
6		Churches	C-9	Tenth Street Baptist Church	1213 E 10th St, Owensboro, KY 42303	37.7673	-87.0959	1	1	3	2	4	16	HIGH	
7		Food processing	C-13	Tracco - Total Packaging, LLC	901 Leitchfield Rd, Owensboro, KY 42303	37.7684	-87.094	1	1	3	2	4	16	HIGH	
8		Railroad Lines	C-32	CSX Transportation	1502 E 9th St, Owensboro, KY 42303	37.7684	-87.094	1	Zone 1, 2& 3	3	3	4	19	HIGH	

9		Distillery	I-22	Sazerac North America	2001 E 4th St, Owensboro, KY 42303	37.7793	-87.087	1	1	3	3	4	19	HIGH	
10		Residential Septic*	R-4	Septic	529 Maple Heights Avenue, Owensboro, KY 42303	37.777	-87.0841	1	1	3	2	4	16	HIGH	
11		Wood/Paper/Pulp Mills	I-21	Domtar Paper Co LLC	1500 Ragu Dr, Owensboro, KY 42303	37.7685	-87.0818	1	1	3	3	4	19	HIGH	
12		Pesticide/Fertilizer/Petroleum Storage & Transfer Areas	A-15	Grimes Avenue Transfer Station	2129 Grimes Ave, Owensboro, KY 42303	37.7698	-87.0841	1	1	3	3	4	19	HIGH	
13		Recycling Facilities	W-3	Southern Recycling (Sa Recycling LLC)	2401 Grimes Avenue, Owensboro, KY 42302	37.771	-87.0821	1	1	3	3	4	19	HIGH	
14		Asphalt/Cement/Concrete Plants	I-1	Concrete Supply Ready-Mix Owensboro KY	1645 Hall Street, Owensboro, KY 42303	37.7607	-87.0964	1	2	2	2	4	14	MED	
15		Foundries and Metal Fabricators	I-5	Southern Tank & Manufacturing Inc.	1501 Haynes Ave, Owensboro, KY 42303	37.7616	-87.0946	1	2	2	3	4	17	HIGH	
16		Heating Oil Companies	C-20	Key Oil Company	1512 Haynes Ave, Owensboro, KY 42303	37.7622	-87.0951	1	2	2	3	4	17	HIGH	
17		Welding Shops	C-36	Modern Supply Company	1507 E 15th St, Owensboro, KY 42303	37.7632	-87.0938	1	2	2	3	4	17	HIGH	
18		Veterinary Offices/Pet Boarding*	C-35	Kentuckiana Animal Clinic	1500 E 18th St, Owensboro, KY 42303	37.7591	-87.0935	1	3	1	2	4	12	MED	

19		Cemeteries	C-8	Greenwood Cemetery	1821 Leitchfield Rd, Owensboro, KY 42303	37.7623	-87.0831	1	3	1	2	4	12	MED	
20		Cemeteries	C-8	Moseley Square Cemetery	722 E 5th St, Owensboro, KY 42303	37.7725	-87.1031	1	3	1	2	4	12	MED	
21		Schools	M-12	Estes Elementary School	1675 Leitchfield Rd, Owensboro, KY 42303	37.7644	-87.0847	1	2	2	1	4	11	MED	
22		Gas stations (existing & abandoned/ historic)	C-16	Sunoco	1710 E Parrish Ave, Owensboro, KY 42303	37.7667	-87.0875	1	2	2	3	4	17	HIGH	
23		Food Processing	C-13	Mizkan America Inc.	1901 Ragu Dr, Owensboro, KY 42303	37.7677	-87.077	1	2 & 3	2	2	4	14	MED	
24		Plastics/ Synthetics Producers	I-18	Omico Plastics Inc.	2025 Ragu Dr, Owensboro, KY 42303	37.7635	-87.0743	1	3	1	3	4	15	MED	
25		Food Processing	C-13	Unilever Foods Truck Entrance, Shipping & Receiving	1902 Ragu Dr, Owensboro, KY 42303	37.7689	-87.0781	1	1 & 2	3	2	4	16	HIGH	
26		Auto Repair Shops/ Body Shops	C-2	R.C. Bratcher, Inc	2386 Wind Haven Dr, Owensboro, KY 42303	37.7655	-87.0784	1	2 & 3	2	3	4	17	HIGH	
27		Fleet/ Truck/ Bus Terminals	C-12	Riverside Transport Inc.	1700 Ragu Dr, Owensboro, KY 42303	37.7664	-87.0791	1	2	2	3	4	17	HIGH	
28		Medical/ Dental Offices/ Clinics*	C-26	Chautauqua Health and Rehabilitation	1205 Leitchfield Rd, Owensboro, KY 42303	37.7663	-87.0904	1	1	3	2	4	16	HIGH	
29		Foundries and Metal Fabricators	I-5	Owensboro Tank Wash	1103 Wing Ave #0865, Owensboro, KY 42303	37.7675	-87.088	1	1	3	3	4	19	HIGH	

30		Foundries and Metal Fabricators	I-5	Industrial Mold & Machine Co	1101 Wing Ave, Owensboro, KY 42303	37.7679	-87.0884	1	1	3	3	4	19	HIGH	
31		Junk Yards (Scrap and Auto)	C-22	Tally's Towing & Recovery	1107 Wing Ave, Owensboro, KY 42303	37.7689	-87.0885	1	1	3	3	4	19	HIGH	
32		Equipment Rental/ Repair Shops	C-11	Ascend Equipment Company	920 Wing Ave Suite A, Owensboro, KY 42303	37.7695	-87.092	1	1	3	2	4	16	HIGH	
33		Equipment Rental/ Repair Shops	C-11	Midsouth Rentals LLC.	2306 Wind Haven Dr, Owensboro, KY 42303	37.7639	-87.0801	1	3	3	2	4	16	HIGH	
34		Hardware/ Lumber/ Parts stores	C-19	ABC Supply Co., Inc.	931 Wing Ave BLDG C, Owensboro, KY 42303	37.7699	-87.0888	1	1	3	2	4	16	HIGH	
35		Foundries and Metal Fabricators	I-5	T & W Valve & Machine Co. Inc	2501 Grimes Ave, Owensboro, KY 42303	37.771	-87.0807	1	1	3	3	4	19	HIGH	
36		Auto Repair Shops/ Body Shops	C-2	Tim Pedley Truck & Trailer	1307 Alsop Ln, Owensboro, KY 42303	37.7721	-87.0797	1	1	3	3	4	19	HIGH	
37		Gas stations (existing & abandoned/ historic)	C-16	Cfn	1221 Alsop Ln, Owensboro, KY 42303	37.7728	-87.0802	1	1	3	3	4	19	HIGH	
38		Food Processing	C-13	Polar Ice	1101 Alsop Ln, Owensboro, KY 42303	37.7733	-87.0804	1	1	3	2	4	16	HIGH	
39		Grocery/ Department Stores	C-18	Rural King	801 Commerce Dr, Owensboro, KY 42303	37.7781	-87.0796	1	1	3	2	4	16	HIGH	
40		Grocery/ Department Stores	C-18	Kroger	2308 KY-144, Owensboro, KY 42303	37.7787	-87.0806	1	1	3	2	4	16	HIGH	

41		Gas stations (existing & abandoned/ historic)	C-16	On The Fly	2402 KY-144, Owensboro, KY 42303	37.7802	-87.0819	1	1	3	3	4	19	HIGH	
42		Wastewater Treatment Plant	M-15	Regional Water Resource Agency	1722 Pleasant Valley Rd, Owensboro, KY 42303	37.7701	-87.0705	1	1 & 2	2	2	4	14	MED	
43		Medical/ Dental Offices/ Clinics*	C-26	Cedarhurst Senior Living of Owensboro	1900 Pleasant Valley Rd, Owensboro, KY 42303	37.7708	-87.067	1	1 & 2	2	2	4	14	MED	
44		Wastewater Lagoon	M-16	Old OMU lagoons no longer active	Lagoon Ln, Owensboro, KY 42303	37.7736	-87.0766	1	1	3	3	4	19	HIGH	
45		Foundries and Metal Fabricators	I-5	S&v Fabrication	1306 Pleasant Valley Rd, Owensboro, KY 42303	37.7762	-87.0696	1	1	3	3	4	19	HIGH	
46		Petroleum Product Production, Transport, and Storage Companies	I-17	Marathon Pipe Line/Ashland Pipe Line Co	1046 Pleasant Valley Rd, Owensboro, KY 42303	37.778	-87.071	1	1	3	3	4	19	HIGH	
47		Petroleum Product Production, Transport, and Storage Companies	I-17	Trans Montaigne Terminal Inc	900 Pleasant Valley Rd, Owensboro, KY 42303	37.7798	87.0727	1	1	3	3	4	19	HIGH	
48		Churches	C-9	Pleasant Valley Community Church	800 Pleasant Valley Rd, Owensboro, KY 42303	37.7807	-87.074	1	1	3	2	4	16	HIGH	
49		Churches	C-9	The Church of Jesus Christ of Latter-day Saints	3290 KY-144, Owensboro, KY 42303	37.784	-87.0724	1	1	3	2	4	16	HIGH	

50		Churches	C-9	Knights of Columbus	3540 E 10th St, Owensboro, KY 42303	37.7828	-87.0668	1	1	3	2	4	16	HIGH	
51		Pesticide/ Fertilizer/ Petroleum Storage & Transfer Areas	A-15	Southern States River Terminal	150 Coast Guard Ln, Owensboro, KY 42303	37.7928	-87.0662	1	1	3	3	4	19	HIGH	
52		Drinking Water Treatment Plants	M-3	OMU - Cavin Water Treatment Plant	4067 KY-144, Owensboro, KY 42303	37.7904	-87.0604	1	1	3	2	4	16	HIGH	
53		Marina/ Boat Docks	C-25	US Coast Guard	3301 E 4th St, Owensboro, KY 42303	37.7873	-87.0738	1	1	3	3	4	19	HIGH	
54		Residential Septic	R-4	Septic System	332 Coast Guard Lane, Owensboro, KY 42303	37.7873	-87.0738	1	1	3	2	4	16	HIGH	
55		Electric Substations	I-3	OMU Substation	OMU Private Dr, Owensboro, KY 42303	37.7932	-87.0593	1	1	3	2	4	16	HIGH	
56		Other Municipal Sources	M-10	Republic Services	100 Ellis Smeathers Rd, Owensboro, KY 42303	37.7996	-87.0598	1	1	3	3	4	19	HIGH	
57		Foundries and Metal Fabricators	I-5	Castlen Steel Tank Shop/ Shop 2	4701 KY-2830, Owensboro, KY 42303	37.8003	-87.0561	1	1	3	3	4	19	HIGH	
58		Gravel Pits and Quarries	I-6	Owensboro Bypass Yard - Mulzer Crushed Stone, Inc.	5001 KY-2830, Owensboro, KY 42303	37.8056	-87.0541	1	2	2	2	4	14	MED	
59		Petroleum Product Production, Transport, and Storage Companies	I-17	S & Y Terminal Llc	4814 KY-2830, Owensboro, KY 42303	37.8041	-87.0523	1	2	2	3	4	17	HIGH	

60		Other Industrial Sources	I-16	Daramic Technical Center	5525 KY-2830, Owensboro, KY 42303	37.8114	-87.0486	1	3	1	3	4	15	MED	
61		Boat Services/ Repair/ Refinishing	C-4	Paul Lynn Paint Body & Boat	5332 KY-2830, Owensboro, KY 42303	37.807	-87.0474	1	3	1	3	4	15	MED	
62		Crops: Orchards	A-6	Reid's Orchard	4818 KY-144, Owensboro, KY 42303	37.7996	-87.0461	1	Zone 1, 2& 3	3	3	4	19	HIGH	
63		Crops: Orchards	A-6	Cropland	5025 KY-144, Owensboro, KY 42303	37.8042	-87.0433	1	2 & 3	2	3	4	17	HIGH	
64		Cemeteries*	C-8	Owensboro Memorial Gardens	5050 KY-144, Owensboro, KY 42303	37.8005	-87.0434	1	2	2	2	4	14	MED	
65		Mobile Home Park/ Campground	R-2	TOWN & COUNTRY MH PARK	418 Reid Rd, Owensboro, KY 42303	37.7923	-87.0511	1	1	3	2	4	16	HIGH	
66		Major Roadways	M-7	60, 144, 2262, 81, 54 , 603	Owensboro	37.7699	-87.0644	6	Zone 1, 2& 3	3	3	4	19	HIGH	
67		Machine/ Metalworking shops	I-8	Mid American Metals & Chemical	616 Bark Cove, Owensboro, KY 42303	37.7867	-87.0614	1	1	3	3	4	19	HIGH	
68		Equipment Rental/ Repair Shops	C-11	Sunbelt Rentals	4005 Vincent Station Dr, Owensboro, KY 42303	37.784	-87.0591	1	1	3	2	4	16	HIGH	
69		Machine/ Metalworking shops	I-8	Toolco Inc.	615 Bark Cove, Owensboro, KY 42303	37.7869	-87.0612	1	1	3	3	4	19	HIGH	
70		Lawn/ Farm Stores	C-24	Carter Lawn Management, LLC	524 Bark Cove, Owensboro, KY 42303	37.787	-87.0621	1	1	3	3	4	19	HIGH	
71		Residential Septic	R-4	Septic System	Cardinal Lane, Owensboro, KY 42303	37.7896	-87.067	2	1	3	2	4	16	HIGH	
72		Residential Septic	R-4	Septic System	Cinderalla Dr, Owensboro, KY 42303	37.7885	-87.0689	2	1	3	2	4	16	HIGH	

73		Residential Septic	R-4	Septic System	Daniels Lane, Owensboro, KY 42303	37.7788	-87.0582	8	Zone 1, 2& 3	3	2	4	16	HIGH	
74		Residential Septic	R-4	Septic System	Dean Court, e, Owensboro, KY 42303	37.7825	-87.08	1	1	3	2	4	16	HIGH	
75		Residential Septic	R-4	Septic System	3246 E 6th Street, Owensboro, KY 42303	37.783	-87.0726	1	1	3	2	4	16	HIGH	
76		Residential Septic	R-4	Septic System	E 10th Street, Owensboro, KY 42303	37.7807	-87.07	5	1	3	2	4	16	HIGH	
77		Residential Septic	R-4	Septic System	806 E Glenn Court, Owensboro, KY 42303	37.7802	-87.0777	1	1	3	2	4	16	HIGH	
78		Residential Septic	R-4	Septic System	2241 E Parrish Ave, Owensboro, KY 42303	37.7603	-87.0753	1	3	1	2	4	12	MED	
79		Residential Septic	R-4	Septic System	Eastwood Drive, Owensboro, KY 42303	37.787	-87.0631	5	1	3	2	4	16	HIGH	
80		Residential Septic	R-4	Septic System	Huber Court, Owensboro, KY 42303	37.781	-87.0829	2	1	3	2	4	16	HIGH	
81		Residential Septic	R-4	Septic System	529 Maple Heights Avenue, Owensboro, KY 42303	37.7775	-87.084	1	1	3	2	4	16	HIGH	
82		Residential Septic	R-4	Septic System	1009 Pleasant Valley Road, Owensboro, KY 42303	37.7798	-87.0716	1	1	3	2	4	16	HIGH	
83		Residential Septic	R-4	Septic System	285 Redbud Road, Owensboro, KY 42303	37.7896	-87.0652	1	1	3	2	4	16	HIGH	

84		Residential Septic	R-4	Septic System	Reid Road, Owensboro, KY 42303	37.7913	-87.0481	5	Zone 1, 2& 3	3	2	4	16	HIGH	
85		Residential Septic	R-4	Septic System	Riverside Drive, Owensboro, KY 42303	37.7892	-87.068	4	1	3	2	4	16	HIGH	
86		Residential Septic	R-4	Septic System	KY-144, Owensboro, KY 42303	37.7841	-87.0725	5	1	3	2	4	16	HIGH	
87		Residential Septic	R-4	Septic System	2217 Westerfield Dr, Owensboro, KY 42303	37.7594	-87.081	1	3	1	2	4	12	MED	
88		Residential Septic	R-4	Septic System	3843 Willow Way, Owensboro, KY 42303	37.7892	-87.0662	1	1	3	2	4	16	HIGH	

CSI Totals	Low	0
	Med	15
	High	73

Overall Susceptibility Ranking	HIGH
--------------------------------	------

Section 10 & 11

Public Notice Documentation

Protecting Our Community's Water



Safe, reliable drinking water starts with protecting its source. Owensboro Municipal Utilities (OMU) has completed an update and submitted its Wellhead Protection Plan (WHPP) to the Kentucky Division of Water in accordance with regulation 401 KAR 4:220. The plan identifies critical areas that need protection, potential sources of contamination, and strategies to help ensure a safe drinking water supply.

To view OMU's WHPP and learn more about source water protection visit omu.org/water-protection.

Please report any spills or contamination to water supply by calling 270-926-3200.