

## **APPENDIX H: UPDATED WELL AND SPRING SEARCH**

Appendix H1: Search Conducted in 2018

Appendix H2: Search Conducted in 2019

## **APPENDIX H: UPDATED WELL AND SPRING SEARCH**

Appendix H1: Search conducted in 2018

## Updated Well & Spring Search for KU-E.W. Brown Station Performed February 2, 2018

### Summary

On February 2, 2018, Kentucky Utilities (KU) performed an electronic search of the *Kentucky Groundwater Data Repository* to identify whether additional wells or springs had been added to the record since the time of the well search that was performed in support of the E.W. Brown Station landfill application. The results of the well & spring search were included in the application in Attachment 37 and identified all wells and springs within a 1-mile radius of the landfill site. In total, 59 springs and 19 wells were identified by the survey, which included mailings and a door-to-door survey. Of the 78 locations, eight (6 springs & 2 wells) were recorded on the *Kentucky Groundwater Data Repository*.

A special waste landfill permit (Permit 084-00010) was issued for the subject site by the Kentucky Division of Waste Management on July 31, 2014. At the time, the well records indicated that there were no wells or springs in the repository that were used for domestic water supply.

### February 2, 2018 Search Results

The February 2, 2018 review of the *Kentucky Groundwater Data Repository* was performed for a "Search Radius" of 2 miles, with a center point (near the center of the landfill) of Latitude 37.787 degrees and a Longitude of -84.721 degrees. The search identified 13 springs and 19 wells, some of which were located at distances of greater than 2 miles from the site. Wells and springs are identified within the *Kentucky Groundwater Data Repository* by an 8-digit identifying number, called an AKGWA number.

All wells and springs identified by the search are identified and described in this document.

### Springs

Of the 13 springs identified, six were also identified in the previous survey performed for the landfill permit application. All seven remaining springs were located more than one mile from the search center point, at distances ranging from 1.05 to 2.41 miles from the center of the search. Two of the springs were also located across Herrington Lake or the Dix River from the plant site. The distance from the site and the presence of a significant hydrologic divide makes it unlikely that any of the seven springs not previously identified would be affected by the company's operations.

AKGWAs for springs identified in previous survey (6) prepared to support the landfill application:

- 30001946; 90001872; 90001873; 90001874; 90001875; 90001876

AKGWA for springs identified at greater than 1-mile from search center point (7):

- 30001126 (2.41 miles); 30001287 (1.46 miles); 30001939 (1.05 miles); 30001957 (1.53 miles); 30004428 (2.07 miles); 50001207 (2.38 miles); 90003602 (1.40 miles)

### Wells

Of the 19 wells identified, two were identified in the previously-referenced well search prepared for the landfill application and both were identified as "plugged". In addition, two other wells, not included in the previous search, were also identified as "plugged".

AKGWAs for (2) wells identified in previous survey both of which were identified as "plugged":

- 00020031; 00055257

AKGWAs for (2) wells not identified in previous survey, both of which were also identified as "plugged":

Updated Well & Spring Search for KU-E.W. Brown Station  
Performed February 2, 2018

- 00069576; 00069577

Wells that are “plugged” are filled and no longer have any direct path to groundwater. They cannot be used as a means of directly accessing groundwater for any purpose.

Five of the remaining 15 wells were located at great distance from the search center point, ranging from 1.66 to 2.49 miles from the search Center Point.

AKGWA for (5) wells identified at greater than 1-mile from search Center Point:

- 00000501 (1.66 miles); 00001785 (2.08 miles); 00020153 (2.49 miles); 40004432 (2.24 miles); 60006412 (2.21 miles)

The closest of these wells (00000501) is listed as “unsuitable for intended use”. While there is no reason cited for the well being “unsuitable”, it is likely that the yielded water was not clean (because of odor, taste, sediment, or bacterial contamination) or that sufficient amounts of water for the intended use could not be obtained from the well. The other three wells are listed as used for “domestic-single house” purposes-presumed to be as a means of water supply.

The remaining 10 wells were installed by KU in 2016 on KU’s E.W. Brown property for the purpose of compliance with the federal coal combustion residuals (CCRs) rule.

AKGWA for (10) wells installed by KU at the E.W. Brown site for compliance with federal CCR Rule are listed below, along with the respective well identification used by KU (in parentheses):

- 80065004 (MW-109); 80065005 (MW-110); 80065006 (MW-111); 80065007 (PZ-103); 80065008 (MW-106); 80065009 (MW-113); 80065010 (MW-114); 80065015 (MW-112); 80065017 (MW-115); 80065018 (MW-116)

Each of these wells was installed for the purpose of monitoring (i.e. the collection of groundwater samples).

**Spring Records Search Results**  
**Kentucky Groundwater Data Repository**

Search Date: 2/2/2018

Search Criteria:

Latitude, Longitude = 37.787°, -84.721°

Search Radius = 2.0 miles

Note that these data represent only information contained in the Kentucky Ground-Water Data Repository, and may not be representative of all hydrologic sites (i.e., wells, springs) in the search area. Water wells did not have to be registered with the State prior to 1985.

Map Springs:

Map the springs returned in this search on the geologic map service:



This service plots the springs returned in this search onto the KGS Geologic Map Service. Large datasets (+4000 records) may take awhile (a minute or longer) to load and plot. Clicking the "Map Results..." button below will open the map service in a new window (make sure your popup blocker is turned off!), the springs will plot as large orange circles, and behave as the other map service layers (can turn on/off and adjust transparency):

Current Limitations:

For best results, use the most current version of Internet Explorer (v. 9), Firefox, or Google Chrome. Older browser compatibility is in development.

MAP RESULTS ON GEOLOGIC MAP SERVICE

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Spring Records Search Results:

Sort By: AKGWA Number (asc) Records Per Page: 10 Results: 1-10 of 13

Jump To Page: 1 First Prev 1 Next Last

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-AKGWA #- AI Number -Quality Analyses (report links)-	Scanned Documents (pdf) <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-Surface Elevation- -County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download)  Map Links	-Link to Spring Report- (view observation data) -Spring Name- -Spring Type-	-Primary Use- -Regulatory Program-	Discharge Flow Type	Discharge From	Discharge To	Discharge Into	Spring Modification
AKGWA #: 30001126 AI Number: n/a Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a>	none available	12718 ft   3876 m  2.41 miles	Surface Elevation: County: Mercer Quadrangle: Wilmore  <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a> Spring Name: n/a Spring Type: n/a	Use: n/a Program: n/a	n/a	n/a	n/a	n/a	N
AKGWA #: 30001287 ✓ X 2 AI Number: n/a Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a> ACROSS DIX RIVER	none available	7713 ft   2351 m	Surface Elevation: County: Garrard Quadrangle: Wilmore  <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a> Spring Name: n/a Spring Type: n/a ACROSS DIX RIVER	Use: n/a Program: n/a	n/a	n/a	n/a	n/a	N
AKGWA #: 30001939 ✓ X 2 AI Number: n/a Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a>	none available	5553 ft   1693 m  1.05 miles	Surface Elevation: County: Mercer Quadrangle: Wilmore  <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a> Spring Name: n/a Spring Type: n/a TWO DEMONSTRATION POND	ANALYSIS FROM 1979 Use: n/a Program: n/a	n/a	n/a	n/a	n/a	N
AKGWA #: 30001946 ✓ X 2 AI Number: n/a Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a> NURE SPR.	none available	1549 ft   472 m	Surface Elevation: County: Mercer Quadrangle: Wilmore  <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	UNDER AUX. POND <a href="#">SPRING REPORT</a> Spring Name: n/a Spring Type: n/a ON KU PROPERTY	Use: n/a Program: n/a	n/a	n/a	n/a	n/a	N

-AKGWA #- AI Number -Quality Analyses (report links)-	Scanned Documents (pdf) <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-Surface Elevation- -County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download)  Map Links	-Link to Spring Report- (view observation data) -Spring Name- -Spring Type-	-Primary Use- -Regulatory Program-	Discharge Flow Type	Discharge From	Discharge To	Discharge Into	Spring Modification
AKGWA #: 30001957 ✓ X2 AI Number: n/a ----- Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a>	none available	8100 ft   2469 m  1.53 miles	Surface Elevation: County: Mercer Quadrangle: Wilmore ----- <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a>  Spring Name: n/a Spring Type: n/a  ACROSS TOPO. PROVIDES	Use: n/a Program: n/a	n/a	n/a	n/a	n/a	N
AKGWA #: 30004428 ✓ X2 ACROSS LAKE AI Number: n/a ----- Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a>	none available	10951 ft   3338 m	Surface Elevation: County: Garrard Quadrangle: Wilmore ----- <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a>  Spring Name: n/a Spring Type: n/a	Use: n/a Program: n/a	n/a	n/a	n/a	n/a	N
AKGWA #: 50001207 ✓ X2 AI Number: n/a ----- Quality Analyses: n/a	none available	12597 ft   3840 m  2.38 miles	Surface Elevation: 830 County: Mercer Quadrangle: Wilmore ----- <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a>  Spring Name: DISTILLERY SP Spring Type: GRAVITY (FALLING)	Use: n/a Program: n/a	n/a	n/a	n/a	NONE	N
AKGWA #: 90001872 ✓ AI Number: n/a RAILROAD SPR ----- Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a>	 Documents	2800 ft   853 m	Surface Elevation: 830 County: Mercer Quadrangle: Wilmore ----- <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	ON KU PROPERTY <a href="#">SPRING REPORT</a>  Spring Name: RAILROAD SPRING Spring Type: GRAVITY (FALLING)	Use: n/a Program: n/a	Perennial	Conduit	Stream	Cedar Branch	None
AKGWA #: 90001873 ✓ X2 AI Number: n/a ----- Quality Analyses: n/a WEBB SPR. COMPLY	 Documents	3966 ft   1209 m	Surface Elevation: 820 County: Mercer Quadrangle: Wilmore ----- <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">SPRING REPORT</a>  Spring Name: WEBB SPRING Spring Type: GRAVITY (FALLING)	Use: Agriculture - Livestock Watering Program: n/a	Perennial	Conduit	Stream	Dix River	Spring House
AKGWA #: 90001874 ✓ AI Number: n/a ----- Quality Analyses: n/a HOUP BUNKER SPR.	 Documents	4531 ft   1381 m	Surface Elevation: 810 County: Mercer Quadrangle: Wilmore ----- <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	DESTROYED <a href="#">SPRING REPORT</a>  Spring Name: HOUP BUNKER SPRING Spring Type: GRAVITY (FALLING)	Use: n/a Program: n/a	Perennial	Bedding Plane	Soil	Cedar Branch	Spring House

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## Groundwater-Quality Records Search Results Kentucky Groundwater Data Repository

Search Date: **2/2/2018**

Search Criteria:

**AKGWA NUMBER: 30001939**

Searched Analyte(s):

**All Available Field Analytes**

Report Type:

**All samples for each location**

Note that these data represent only information contained in the Kentucky Ground-Water Data Repository, and may not be representative of all hydrologic sites (i.e., wells, springs) in the search area. Water wells did not have to be registered with the State prior to 1985.

If this data search revealed any PUBLIC water supply wells, or if you have identified public water supply wells on your site that are not indicated by this search, then you must contact the Kentucky Division of Water (DOW), Groundwater Branch, to determine whether your site is located within a wellhead protection area.

The groundwater-protection web address is:  
<http://water.ky.gov/groundwater/Pages/WellheadProtection.aspx>.

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### Water Quality Records (All Samples Report) Search Results:

Sort By:

Records Per Page:

Results: **1-10** of **1**

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-AKGWA #- -Site Type- -WELL REPORT- -Use-	-County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data in download)  -Water Quality Map- -Quick Map-	-Surface Elev.- -Water Level- -Depth-	Collection Date	Regulatory Program(s)	Analyte (Group)	Result "<" - value below detection
AKGWA #: 30001939 type: n/a - <b>WELL REPORT (about this well)</b> use:	County: <b>Mercer</b> Quadrangle: <b>Wilmore</b> Lat, Lon (dms): <b>37° 46' 39.288"</b> , <b>-84° -44' -10.478"</b> - <a href="#">Water Quality Map</a> - <a href="#">Quick Map</a>	elev: - level: n/a depth: n/a	2/5/1979	n/a	<b>Field Conductivity (Field)</b>	260 mmohs/

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## Detailed Info About This Spring Kentucky Groundwater Data Repository

**AKGWA #:** 30001939  
**AI Number #:**  
**Quadrangle:** Wilmore  
**County:** Mercer  
**Latitude, Longitude (dms):** 37° 46' 39.288", -84° -44' -10.478"  
**Latitude, Longitude (dec degree):** 37.77758, -84.736244  
**Surface Elev (ft):**  
**Spring Name:**  
**Spring Type:**  
**Primary Use:**  
**Regulatory Program:**  
**Aquifer Type (Media):**  
**Discharge Flow Type:**  
**Discharge From:**  
**Discharge To:**  
**Discharge Into:**  
**Modifications:** N

Scanned Document (pdf): none available

### Spring observations and water quality data availability:

**\*\*No Spring Observation Report Available\*\***

### Water Quality Analyses

(click each analyte name for detailed data on the analyses for this well)

Analyte Name (click name for full report)	Analyte Group	Number of Analyses	First Date	Last Date	Max. Result
<a href="#">Dysprosium</a>		1	2/5/1979	2/5/1979	-0.001 ppb
<a href="#">Fluorine</a>		1	2/5/1979	2/5/1979	35 ppb
<a href="#">Bromide</a>	Inorganics	1	2/5/1979	2/5/1979	16 ppb
<a href="#">Aluminum</a>	Metals	1	2/5/1979	2/5/1979	52 ppb
<a href="#">Magnesium</a>	Metals	1	2/5/1979	2/5/1979	2180 ppb
<a href="#">Manganese</a>	Metals	1	2/5/1979	2/5/1979	92 ppb
<a href="#">Sodium</a>	Metals	1	2/5/1979	2/5/1979	3530 ppb
<a href="#">Vanadium</a>	Metals	1	2/5/1979	2/5/1979	-0.1 ppb
<a href="#">Uranium</a>	Radionuclides	1	2/5/1979	2/5/1979	0.118 ppb
<a href="#">Chlorine, free (Field)</a>	VOCs	1	2/5/1979	2/5/1979	1800 ppb
<a href="#">Field Conductivity</a>	Field	1	2/5/1979	2/5/1979	260 mmohs/



Analysis Legend

Note: Click a symbol on the map to view site data. Sites may have more than one analysis over time.

Analyte: Field Conductivity  
# Analyses: 22461  
min value: 0.21 µmho/c  
max value: 1139000 µmho/c

Symbols:

- < 0.21 µmho/c
- 0.21 to < 31600 µmho/c
- 31600 to < 100000 µmho/c
- 100000 to < 205000 µmho/c
- >= 205000 µmho/c

A 5 class natural breaks (Jenks) classification was used to create this map. Results are NOT guaranteed and should only be used as a starting point for water quality analysis in Kentucky.

EPA drinking water info for this analyte:  
MCL: none available  
from: EPA National Primary Drinking Water Regulations (pdf)

Do not use "below detection" values

Do not use zero (0) values

Clear Map

Select Analyte

Analytes are divided into the groups below  
Select ONE ANALYTE for map analysis:

Bulk

Caffeine & Derivatives

Field

Group Description

Dissolved Oxygen (DO)

Build Map

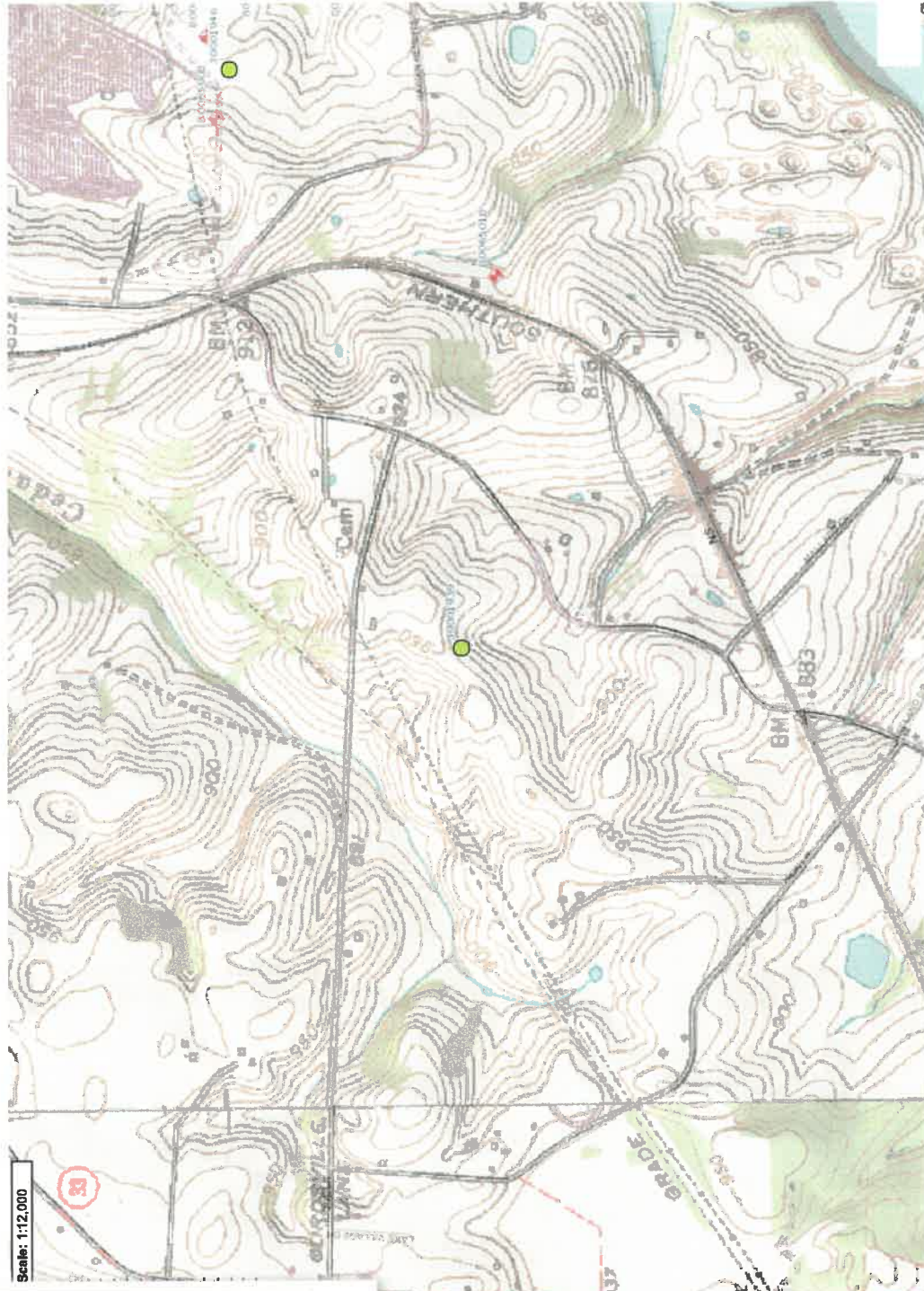
Available analyte descriptions/maps:

- Conductivity (expt. & map)
- pH (expt. & map)

area zoom tool

Coordinates

Buffer





**Spring Records Search Results**  
**Kentucky Groundwater Data Repository**

Search Date: 2/2/2018  
Search Criteria:  
Latitude, Longitude = 37.787°, - 84.721°  
Search Radius = 2.0 miles

Note that these data represent only information contained in the Kentucky Ground-Water Data Repository, and may not be representative of all hydrologic sites (i.e., wells, springs) in the search area. Water wells did not have to be registered with the State prior to 1985.

Map Springs:

Map the springs returned in this search on the geologic map service:



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Map Results on Geologic Map Service

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Spring Records Search Results:

Sort By: AKGWA Number (asc) Records Per Page: 10 Results: 11-20 of 13

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-AKGWA # - AI Number -Quality Analyses (report links)-	Scanned Documents (pdf) More Info	Distance from Circle Center (shaded = outside radius)	-Surface Elevation- -Country- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download)	-Link to Spring Report- (view observation data) -Spring Name- -Spring Type-	-Primary Use- -Regulatory Program-	Discharge Flow Type	Discharge From	Discharge To	Discharge Into	Spring Modification
AKGWA #: 90001875 ✓ x 2 AI Number: n/a Quality Analyses: n/a HOUP BATHUB SPR	Documents	4337 ft   1322 m	Surface Elevation: 840 Country: Mercer Quadrangle: Wilmore --- google map view (quick map) groundwater map service geologic map service	ON KU PROPERTY SPRING REPORT Spring Name: HOUP BATHUB SPRING Spring Type: GRAVITY (FALLING)	Use: Agriculture - Livestock Watering Program: n/a	Perennial	Bedding Plane	n/a	n/a	Trough
AKGWA #: 90001876 ✓ x 2 AI Number: n/a Quality Analyses: n/a NELSON YARD SEEP	Documents	3525 ft   1074 m	Surface Elevation: 780 Country: Mercer Quadrangle: Wilmore --- google map view (quick map) groundwater map service geologic map service	DET + MAY - OUT SPRING REPORT Spring Name: NELSON YARD SEEP Spring Type: SEEP 1999 FUEL OIL LOC	Use: n/a Program: n/a	Intermittent	Soil	Soil	n/a	
AKGWA #: 90003602 ✓ x 2 AI Number: 3155 Quality Analyses: lab analyses   field analyses	Documents	7338 ft   2237 m 1.40 miles	Surface Elevation: 750 Country: Mercer Quadrangle: Wilmore --- google map view (quick map) groundwater map service geologic map service	SPRING REPORT Spring Name: SHAKER CAVE SPRING Spring Type: GRAVITY (FALLING)	Use: Unused Program: n/a	Perennial	Conduit	Stream	Cedar Creek	None

Jump To Page: 2

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**Detailed Info About This Spring  
 Kentucky Groundwater Data Repository**

**AKGWA #: 90001876**  
**AI Number #:**  
**Quadrangle: Wilmore**  
**County: Mercer**  
**Latitude, Longitude (dms): 37° 47' 42.000", -84° -43' -40.000"**  
**Latitude, Longitude (dec degree): 37.795, -84.7277777777778**  
**Surface Elev (ft): 760**  
**Spring Name: Nelson Yard Seep**  
**Spring Type: Seep**  
**Primary Use:**  
**Regulatory Program:**  
**Aquifer Type (Media):**  
**Discharge Flow Type: Intermittent**  
**Discharge From: Soil**  
**Discharge To: Soil**  
**Discharge Into:**  
**Modifications:**

Scanned Document (pdf):

[Documents](#)

**Spring observations and water quality data availability:**

**Spring Observation Report (AKGWA: 90001876)**

Site Visit Date	Site Name	General Visit Reason	Specific Visit Reason	Sampler Agency	Regulatory Program	Flow Type	Flow Season	Flow Condition (comments)	Dye Trace?	Dye Trace Comment
10/6/1999		Incident or spill response		DOW Groundwater			Dry Season (May - Oct)		no	

**\*\*No Water Quality Data For This Well\*\***

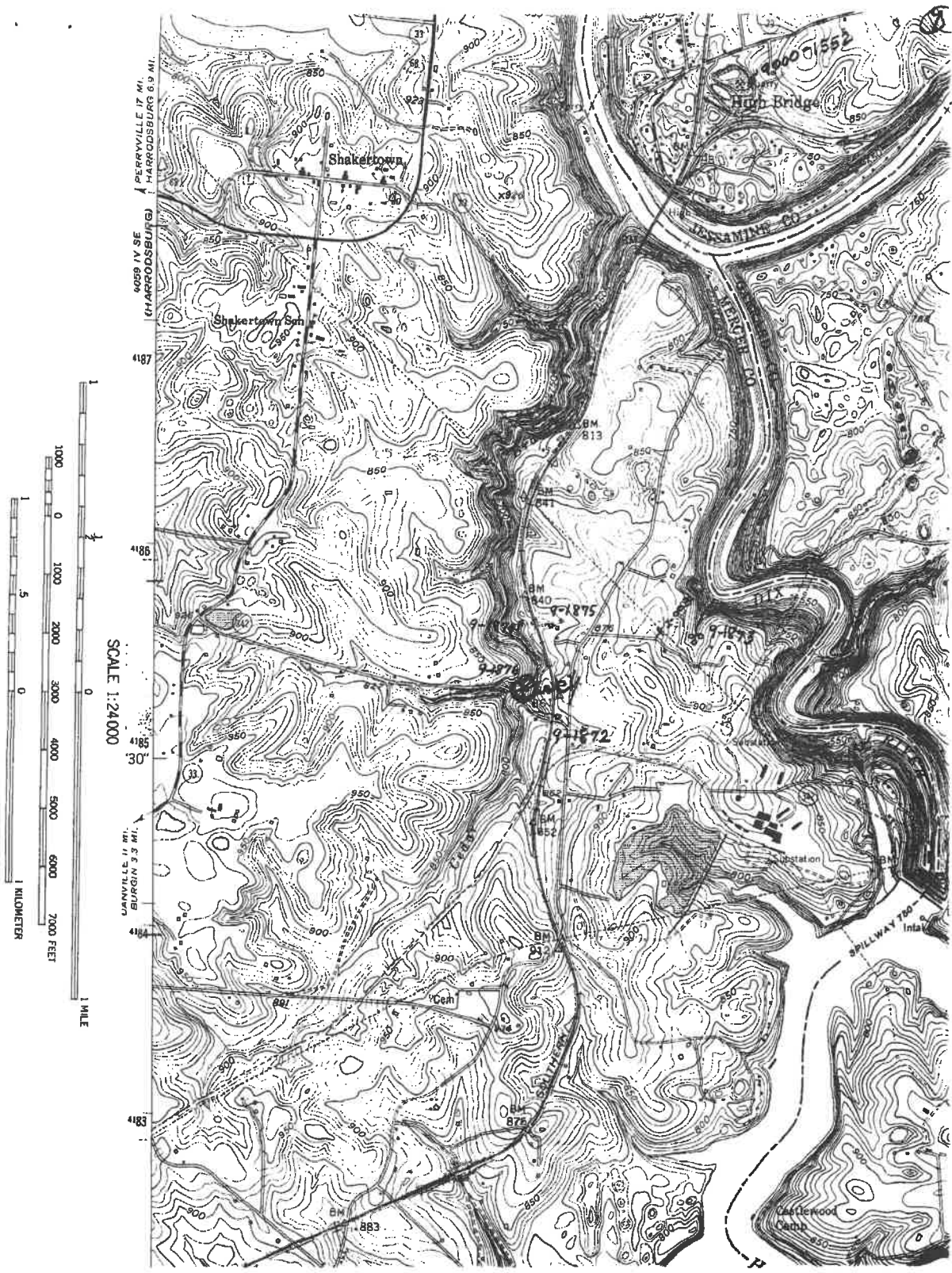




## KENTUCKY SPRING INVENTORY FORM

(1) SPRING IDENTIFICATION NUMBER: <b>9 0 0 0 - 1 8 7 6</b>		Kentucky Spring Tag  <b>9000-1876</b>	
(2) GENERAL INFORMATION Spring owner's name: <u>Kenny Nelson</u> ( ) unknown Mailing Address: <u>505 Dix Dam Rd</u> ( ) unknown City: <u>Harrodsburg</u> State: <u>Ky</u> Zip: <u>40330</u> Phone: ( ) no phone ( ) unknown			
(3) SPRING LOCATION	County: <u>Mercer</u>	Quadrangle: <u>Wilmore</u>	Latitude: <u>37 47 42</u> Longitude: <u>84 43 40</u> Elevation: <u>760</u> ft. ( ) survey
(4) NAME OF SPRING ( ) unnamed <u>Nelson Yard</u>		(5) PHYSIOGRAPHIC OR HYDROLOGIC REGION ( ) Bluegrass ( ) Ohio River Alluvium ( ) E. Coal Field ( ) Miss. Plateau ( ) Jackson Purchase ( ) W. Coal Field	
(7) PHYSICAL SETTING Primary Spring Type: ( ) gravity (falling) ( ) trickle ( ) bluehole (rising) ( ) seep Secondary Characteristics: ( ) karst window ( ) perched ( ) sinking spring ( ) gravel ( ) epikarst ( ) mineral ( ) estavelle ( ) fracture ( ) other: Aquifer Media: ( ) limestone ( ) sandstone ( ) dolostone ( ) coal ( ) shale/siltstone ( ) alluvium ( ) unknown ( ) other: <u>soil</u> Spring Discharges From: ( ) conduit ( ) mine adit ( ) bedding plane ( ) soil ( ) cave ( ) fill ( ) fracture ( ) unknown ( ) talus/loose rock Spring Discharges To: ( ) stream ( ) pond or lake ( ) sinkhole ( ) holding tank ( ) soil ( ) wetland Name of Receiving Water Body: <u>Cedar Branch</u>		(8) SPRING DISCHARGE ( ) perennial ( ) seasonal ( ) intermittent ( ) cfs ( ) gpm ( ) l/s ( ) measured ( ) estimated ( ) reported ( ) not determined Please see worksheet and instructions on reverse of form for assistance in calculation of spring discharge. (9) SURFACE FLOW CONDITIONS Season: ( ) winter (November - April) ( ) summer (May - October) Flow condition: ( ) low ( ) moderate ( ) high (10) MODIFICATIONS (mark all that apply) ( ) spring house ( ) gravity pipe ( ) spring box ( ) pump ( ) walled pond ( ) dam ( ) storage trough or tank ( ) none ( ) other (describe in Comments)	
		(12) SPRING USE ( ) domestic ( ) irrigation ( ) public supply ( ) industrial ( ) livestock ( ) monitoring ( ) unregulated public access ( ) unused ( ) other: PWSID#: _____ Water Withdrawal Permit #: _____	
		(13) SPRING SERVICE Number of people served: <u>NA</u> Number of service connections: Quantity problems ( ) yes ( ) no ( ) unknown Quality problems? ( ) yes ( ) no ( ) unknown Use Comments Section to describe any problems	
		(14) TREATMENT SYSTEMS ( ) none ( ) water softener ( ) ultraviolet ( ) chlorination ( ) aeration ( ) charcoal filter ( ) sand filter ( ) iron inhibitor ( ) settling tank ( ) other Treatment Bypass Available? ( ) yes ( ) no	
		(15) INSPECTION INFORMATION Date of Inspection: <u>10-6-99</u> Water Sample Taken? ( ) yes ( ) no ( ) unknown Reason for Inspection: ( ) general survey ( ) specific complaint investigation ( ) spill or incident response ( ) contamination site investigation ( ) enforcement ( ) general water quality analysis ( ) ambient groundwater monitoring ( ) other (describe in Comments) Program Name and Facility ID#: _____ Alternate Spring ID#: _____	
		(16) OPTIONAL USE Will Owner Allow State Access? ( ) yes ( ) no ( ) unknown Extent of Monitoring Allowed: ( ) complete access ( ) collect sample ( ) access to spring/springhouse ( ) modify spring ( ) notification required ( ) other (describe in Comments) Monitoring Feasibility: <u>Wet-weather</u> <u>Soil seep</u>	
(17) Sketch Map (show spring and associated features) 		(18) COMMENTS <u>seep discharged fuel from KU spill, 10-2-99</u> <u>ERT # C-3979</u>	
		(19) INVESTIGATOR IDENTIFICATION Name: <u>Ray Joseph A</u> Last First MI Inspector ID# Agency: ( ) CHR ( ) DOW ( ) DWM ( ) KGS ( ) Other: Signature of Inspector: <u>Joseph A Ray</u> Date: <u>10-9-99</u>	









### Water Well Records Search Results Kentucky Groundwater Data Repository

Search Date: 2/2/2018

Search Criteria:

Latitude, Longitude = 37.787°, - 84.721°

Search Radius = 2.0 miles

Note that these data represent only information contained in the Kentucky Ground-Water Data Repository, and may not be representative of all hydrologic sites (i.e., wells, springs) in the search area. Water wells did not have to be registered with the State prior to 1985. If you need to determine whether the water wells or springs in your search area are located within a wellhead protection area, please contact the Kentucky Department of Environmental Protection Division of Water at 502-564-3410. The DEP/DOW groundwater-protection web site is: <http://water.ky.gov/groundwater/Pages/WellheadProtection.aspx>.

#### Data Report Download:

Some wells may not have any data (info in the first column below shows available data)  
Link well records to data via **AKGWA\_NUMBER**  
[Search water-quality by analyte / geography](#)

#### RETRIEVE REPORTS FOR ALL WELLS:

LITHOLOGY  CASING

#### Map Wells:

#### Map the wells returned in this search on the geologic map service:

This service plots the wells returned in this search onto the KGS Geologic Map Service. Large datasets (+4000 records) may take awhile (a minute or longer) to load and plot. Clicking the "Map Results..." button below will open the map service in a new window (make sure your popup blocker is turned off), the wells will plot as large orange circles, and behave as the other map service layers (can turn on/off and adjust transparency);



**Current Limitations:**  
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MAP RESULTS ON GEOLOGIC MAP SERVICE

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#### Water Well Records Search Results:

Sort By: AKGWA Number (asc) Records Per Page: 10 Results: 1-10 of 19







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-AKGWA # - -PUBLIC WELL # (PWSID)- AI Number	Scanned Documents <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download) Map Links	-Link to Well Report- (view lithologic, casing, quality data) -Construction Date- -Driller Name- -Driller Certification #- -Owner Name- -Owner Business-	-Status- -Primary Use- -Regulatory Program-	Surface Elevation Depth to Bedrock Total Depth	Static Water Level
-Lithology & Flow Data?- -Casing Data?- -Quality Analyses (report links)-							


Jump To Page: 1

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Water Well Records Search Results

-AKGWA #- -PUBLIC WELL # (PWSID)- AI Number	-Lithology & Flow Data?- -Casing Data?- -Quality Analyses (report links)-	Scanned Documents <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-County- -Quadrangle- -Lat, Lon (dms) / NAD 83- (location data included in download)  Map Links	-Link to Well Report- (View lithologic, casing, quality data) -Construction Date- -Driller Name- -Driller Certification #- -Owner Name- -Owner Business-	-Status- -Primary Use- -Regulatory Program-	Surface Elevation	Depth to Bedrock	Total Depth	Static Water Level
AKGWA #: 00000501 Public Well #: n/a AI Number: n/a  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	8742 ft   2665 m  1.06 miles ACROSS LAKE	County: Garrard Quadrangle: Wilmore Lat, Lon (dms): 37° 46' 55.999", -84° -41' -29.000" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 5/6/1987 Driller Name: Tommy Maybrier Driller Cert. #: 0014 Owner Name: Downey, Darrell Owner Business: n/a	Status: Unusable Use: For Intended Use Program: n/a	800 ft	10 ft	200 ft	0 ft	
AKGWA #: 00001785 Public Well #: n/a AI Number: n/a  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	10976 ft   3345 m  2.08 miles SOUTH	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 33.998", -84° -44' -12.001" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 6/2/1986 Driller Name: Paul D Faulkner Driller Cert. #: 0005 Owner Name: Ritchey, Owsley Owner Business: n/a	Status: Active Use: Domestic - Single Household Program: n/a	876 ft	15 ft	289 ft	195 ft	
AKGWA #: 00020031 Public Well #: n/a AI Number: n/a  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	3880 ft   1183 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 51.000", -84° -43' -9.998" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	DEY - PLUGGED AFTER INSTALL <a href="#">WELL REPORT</a> (4/27) Construction Date: 11/21/1987 Driller Name: Tommy Maybrier Driller Cert. #: 0014 Owner Name: Brown, Coy Owner Business: n/a	Status: Plugged Use: Unused Program: n/a	880 ft	-	100 ft	-	
AKGWA #: 00020153 Public Well #: n/a AI Number: n/a  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	13142 ft   4006 m  2.49 miles ACROSS LAKE	County: Garrard Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 38.002", -84° -41' -24.000" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 5/20/1987 Driller Name: Daniel W Martin Driller Cert. #: 0169 Owner Name: Brehner, Mike Owner Business: n/a	Status: Active Use: Domestic - Single Household Program: n/a	870 ft	5 ft	200 ft	140 ft	
AKGWA #: 00055257 Public Well #: n/a AI Number: n/a  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	4804 ft   1464 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 28.999", -84° -42' -52.999" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	PLUGGED - 2004 <a href="#">WELL REPORT</a> Construction Date: 7/21/2001 Driller Name: Unknown Driller Driller Cert. #: 9999 Owner Name: Coillier, Jon Owner Business: n/a	Status: Plugged Use: Unused Program: n/a	800 ft	-	-	-	
AKGWA #: 00069576 Public Well #: n/a AI Number: 127880  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	11950 ft   3642 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 40.588", -84° -41' -43.249" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	PLUGGED <a href="#">WELL REPORT</a> Construction Date: Driller Name: Pre-law Driller Driller Cert. #: 9998 Owner Name: Keller, David Owner Business: n/a	Status: Plugged Use: Unused Program: n/a	790 ft	-	-	-	
AKGWA #: 00069577 Public Well #: n/a AI Number: 127879  Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	12100 ft   3688 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 38.160", -84° -41' -43.800" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	PLUGGED <a href="#">WELL REPORT</a> Construction Date: Driller Name: Pre-law Driller Driller Cert. #: 9998 Owner Name: Harmon, Don Owner Business: n/a	Status: Plugged Use: Unused Program: n/a	790 ft	-	-	-	

Water Well Records Search Results

-AKGWA #- -PUBLIC WELL # (PWSID)- AI Number -Lithology & Flow Data?- -Casing Data?- -Quality Analyses (report links)-	Scanned Documents <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-County- -Quadrangle- -Lat, Lon (dms) / NAD 83- (location data included in download) Map Links	-Link to Well Report- (view lithologic, casing, quality data) -Construction Date- -Driller Name- -Driller Certification #- -Owner Name- -Owner Business-	-Status- -Primary Use- -Regulatory Program-	Surface Elevation	Depth to Total Bedrock	Static Water Level
AKGWA #: 40004432 Public Well #: n/a AI Number: n/a --- Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: <a href="#">lab analyses</a>   <a href="#">field analyses</a> *view <a href="#">well report</a> for more info *flow data may not be available for all wells	none available	11840 ft   3609 m  2.24 miles	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 25.283", -84° -42' -17.813" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: Driller Name: n/a Driller Cert. #: n/a Owner Name: n/a Owner Business: n/a	Status: Use: Domestic - Single Household Program: n/a	- - -	- - -	- - -
AKGWA #: 60006412 Public Well #: n/a AI Number: n/a --- Lithology & Flow Data*: n/a Casing Data*: n/a Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	none available	11657 ft   3553 m  2.21 miles  SOUTH	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 45' 34.182", -84° -44' -30.678" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: Driller Name: n/a Driller Cert. #: n/a Owner Name: n/a Owner Business: n/a	Status: Use: Program: n/a	869.3 ft - -	- - -	- - -
AKGWA #: 80065004 Public Well #: n/a AI Number: 3148 --- Lithology & Flow Data*: n/a Casing Data*: ✓ Quality Analyses: n/a *view <a href="#">well report</a> for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	2913 ft   888 m  CCR Well MW-109	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 46' 48.734", -84° -42' -56.088" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 9/14/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	869.9 ft 5 ft 140 ft	- - -	- - -

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 (tip: if you don't see the download box after clicking the link, scroll up)

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





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Water Well Records Search Results

-AKGWA #- -PUBLIC WELL # (PWSID)- AI Number	-Lithology & Flow Data?- -Casing Data?- -Quality Analyses (report links)-	Scanned Documents <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download)  Map Links	-Link to Well Report- (view lithologic, casing, quality data) -Construction Date- -Driller Name- -Driller Certification #- -Owner Name- -Owner Business-	-Status- -Primary Use- -Regulatory Program-	Surface Elevation	Depth to Bedrock	Total Depth	Static Water Level
AKGWA #: 80065005 Public Well #: n/a AI Number: 61580	Lithology & Flow Data*: n/a Casing Data: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells		CCR WELL MW-110 2283 ft   696 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 46' 56.377", -84° -42' -56.437" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 8/31/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Houchens Industries Inc <b>KENTUCKY UTILITIES</b>	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	813.7 ft	5 ft	52 ft	-
AKGWA #: 80065006 Public Well #: n/a AI Number: 61580	Lithology & Flow Data*: n/a Casing Data: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells		LIKELY CCR WELL MW-111 1536 ft   468 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 1.118", -84° -43' -3.749" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 8/9/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Houchens Industries Inc <b>KENTUCKY UTILITIES</b>	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	855.1 ft	5 ft	100 ft	-
AKGWA #: 80065007 Public Well #: n/a AI Number: 61580	Lithology & Flow Data*: n/a Casing Data: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells		PZ-103 1093 ft   333 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 18.823", -84° -43' -27.192" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 8/8/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Houchens Industries Inc <b>KENTUCKY UTILITIES</b>	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	911.4 ft	5 ft	121 ft	-
AKGWA #: 80065008 Public Well #: n/a AI Number: 3148	Lithology & Flow Data*: n/a Casing Data: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells		CCR WELL MW-106 1312 ft   400 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 0.190", -84° -43' -12.644" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 8/9/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities ✓	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	894.9 ft	5 ft	94.3 100 ft	-
AKGWA #: 80065009 Public Well #: n/a AI Number: 3148	Lithology & Flow Data*: n/a Casing Data: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells		CCR WELL MW-113 1658 ft   505 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 11.792", -84° -42' -55.188" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 9/8/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities ✓	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	813.5 ft	5 ft	98 113 ft	-
AKGWA #: 80065010 Public Well #: n/a AI Number: 3148	Lithology & Flow Data*: n/a Casing Data: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells		CCR WELL MW-114 1726 ft   526 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 15.068", -84° -42' -54.457" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 8/9/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities ✓	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	853.7 ft	5 ft	24 25 ft	-



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#### Data Report Download:

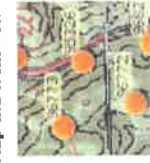
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[Search water-quality by analyte / geography.](#)

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LITHOLOGY CASING

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MAP RESULTS ON GEOLOGIC MAP SERVICE

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#### Water Well Records Search Results:




Sort By: [AKGWA Number (asc)] Records Per Page: [10] Results: 11-20 of 19

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-AKGWA #- -PUBLIC WELL # (PWSID)- AI Number	Scanned Documents <a href="#">More Info</a>	Distance from Circle Center (shaded = outside radius)	-County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download)  Map Links	-Link to Well Report- (View lithologic, casing, quality data) -Construction Date- -Driller Name- -Driller Certification #- -Owner Name- -Owner Business-	-Status- -Primary Use- -Regulatory Program-	Surface Elevation	Depth to Total Bedrock	Static Water Level
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Water Well Records Search Results

-PUBLIC WELL # (PWSID)- AI Number	-Lithology & Flow Data?- -Casing Data?- -Quality Analyses (report links)-	Scanned Documents <a href="#">More Info</a>	Distances from Circle Center (shaded = outside radius)	-County- -Quadrangle- -Lat, Lon (dms / NAD 83)- (location data included in download)	-Link to Well Report- (view lithologic, casing, quality data) -Construction Date- -Driller Name- -Driller Certification #- -Owner Name- -Owner Business-	-Status- -Primary Use- -Regulatory Program-	Surface Elevation	Depth to Bedrock	Total Depth	Static Water Level
-AKGWA #- Public Well #: 80065015 AI Number: 3148 ----- Lithology & Flow Data*: n/a Casing Data*: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	CCR WELL MW - 112 1640 ft   500 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 47' 7.811", -84° 42' -56.398" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 8/9/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities ✓	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	770 ft	5 ft	58 56 ft	-	
-AKGWA #- Public Well #: 80065017 AI Number: 3148 ----- Lithology & Flow Data*: n/a Casing Data*: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	CCR WELL MW - 115 4178 ft   1274 m	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 46' 36.098", -84° 42' -54.853" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 10/6/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities ✓	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	775.6 ft	5 ft	29 ft 40 ft	-	
-AKGWA #- Public Well #: 80065018 AI Number: 3148 ----- Lithology & Flow Data*: n/a Casing Data*: ✓ Quality Analyses: n/a *view well report for more info *flow data may not be available for all wells	 <a href="#">Documents</a>	CCR WELL MW - 116 3841 ft   1171 m (HORIZON FRAM)	County: Mercer Quadrangle: Wilmore Lat, Lon (dms): 37° 46' 36.653", -84° 43' -29.978" <a href="#">google map view (quick map)</a> <a href="#">groundwater map service</a> <a href="#">geologic map service</a>	<a href="#">WELL REPORT</a> Construction Date: 10/6/2016 Driller Name: Richard E Lane Driller Cert. #: 0600 Owner Name: n/a Owner Business: Kentucky Utilities ✓	Status: Active Use: Monitoring Well - Compliance Program: Solid Waste	832.7 ft	5 ft	99 ft 123 ft	-	

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AMEC Lists 45:  
8006-5016

MW - 111  
 (also AKGWA 80065005 like MW-110): 37.78318    - 84.71779  
 37° 46' 59.448" 84° 43' 4.044"  
 INSTALLED 8/9/16  
 Total Depth = 100'  
 Elev. 847.81



## **APPENDIX H: UPDATED WELL AND SPRING SEARCH**

Appendix H2: Search conducted in 2019

# Corrective Action Site Investigation, Source Assessment, and Risk Assessment Report

From: Taylor, David H. (ECC)  
 To: Lisa Jeanne Yost  
 Subject: PW Records Request  
 Date: Thursday, March 15, 2019 1:38:58 PM  
 Attachments: [Groundwater Investigation 3/15/2019.docx](#)

Ms. Yost,

It looks like when I sent the request up to the groundwater section, they went ahead and did the KGS search for her. Attached is the document I told you about. If you have any questions, please be sure and let me know.

Thank you, and have a great day.

*Mike Taylor*

Records Management Branch - Open Records Section  
 Division of Information Services  
 Office of Administrative Services  
 Energy and Environment Cabinet  
 300 Sower Blvd - 1st Floor  
 (502) 782-6461  
[EEC.KORA@ky.gov](mailto:EEC.KORA@ky.gov)

Ms. Sorensen,

I sent your request up to our groundwater section, and below was the response I received. I was also asked to send you the attached document which explains, and gives links showing how to use the KGS website, which is the official state repository for groundwater information.

Thank you, and have a wonderful week.

*Mike Taylor*

Records Management Branch - Open Records Section  
 Division of Information Services  
 Office of Administrative Services  
 Energy and Environment Cabinet  
 300 Sower Blvd - 1st Floor  
 (502) 782-6461  
[EEC.KORA@ky.gov](mailto:EEC.KORA@ky.gov)

From: Robertson, Scotty (ECC)  
 Sent: Tuesday, January 15, 2019 8:12 AM  
 Subject: RE: Records Request

I did a two mile radius search for wells and springs around the coordinates specified and found the wells listed below. None appear to be listed as public water supply wells, and only two are listed as active domestic water supply wells.

AKGWA	AID	Status	Condition	Usage	ConstDate	TotalDepth	AID	SiteName	QuadName	County	Region	DateReceived	GWSourceStatus	RegProgram	SiteAddress	SiteCity	StateZip	LatDecimal	LongDecimal	OwnerBusinessName	OwnerAddress	OwnerCity	OwnerState	OwnerName	OwnerName	KGS	DWL
9000187	Hoop Bathub Spring	Inactive	Plugged and Decommissioned	Unused			127880	David Keller & Stephanie Poole Property	Wilmore	Mercer	Bluegrass	10/14/2015	Final		750 Chimney Rock Rd	Harrodsburg	40330	37.7536111111111	-84.7258333333333	Unknown	1415 Rapids Rd	Franklin	KY	Unknown	David	A	N
00069576		Plugged	Plugged and Decommissioned	Unused			127880	David Keller & Stephanie Poole Property	Wilmore	Mercer	Bluegrass	10/14/2015	Final		750 Chimney Rock Rd	Harrodsburg	40330	37.761218	-84.695347		17 Mentelle Park	Lexington	KY	Kellar	David	A	N
80065005	MW-110	Active	Functioning Properly	Monitoring Well - Compliance	8/31/2016	52	61580	GA Express Shell #880	Wilmore	Mercer	Bluegrass	8/29/2016	Final	Solid Waste	227 S Main St	Leitchfield	42754	37.782327	-84.715677	Houshens Industries Inc	700 Church St	Bowling Green	KY			A	N
80065006	MW-111	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	100	61580	GA Express Shell #880	Wilmore	Mercer	Bluegrass	8/29/2016	Final	Solid Waste	227 S Main St	Leitchfield	42754	37.783644	-84.717708	Houshens Industries Inc	700 Church St	Bowling Green	KY			A	N
80065007	P2-103	Active	Functioning Properly	Monitoring Well - Compliance	9/8/2016	121	61580	GA Express Shell #880	Wilmore	Mercer	Bluegrass	8/29/2016	Final	Solid Waste	227 S Main St	Leitchfield	42754	37.788562	-84.72422	Houshens Industries Inc	700 Church St	Bowling Green	KY			A	N
80065008	MW-106	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	100	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.783386	-84.720179	Kentucky Utilities	One Quality St	Lexington	KY			A	N
80065004	MW-109	Active	Functioning Properly	Monitoring Well - Compliance	9/14/2016	140	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.780204	-84.715158	Kentucky Utilities	One Quality St	Lexington	KY			A	N
80065015	MW-112	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	56	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.785503	-84.715666	Kentucky Utilities	One Quality St	Lexington	KY			A	N
80065009	MW-113	Active	Functioning Properly	Monitoring Well - Compliance	9/8/2016	111	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.786609	-84.715133	Kentucky Utilities	One Quality St	Lexington	KY			A	N
80065010	MW-114	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	25	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.787519	-84.715127	Kentucky Utilities	One Quality St	Lexington	KY			A	N
80065017	MW-115	Active	Functioning Properly	Monitoring Well - Compliance	10/6/2016	40	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.776416	-84.715237	Kentucky Utilities	One Quality St	Lexington	KY			A	N
80065018	MW-116	Active	Functioning Properly	Monitoring Well - Compliance	10/6/2016	123	3148	KY Utilities Co - Brown Station	Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.776848	-84.724994	Kentucky Utilities	One Quality St	Lexington	KY			A	N
90001875	Hoop Bathub Spring	Active		Agriculture - Livestock Watering				Residence - Clifford Hoop	Wilmore	Mercer	Bluegrass	10/9/1999	Final		1726 Curdsville Rd	Harrodsburg	40330	37.7980555555556	-84.7263888888889		1726 Curdsville Rd	Harrodsburg	KY	Hoop	Clifford	N	N
90001874	Hoop Bunker Spring	Inactive						Residence - Clifford Hoop	Wilmore	Mercer	Bluegrass	10/9/1999	Final		1726 Curdsville Rd	Harrodsburg	40330	37.7980555555556	-84.7280555555556		1726 Curdsville Rd	Harrodsburg	KY	Hoop	Clifford	N	N
00020031		Plugged	Plugged and Decommissioned	Unused	11/21/1987	100		Residence - Coy Brown	Wilmore	Mercer	Bluegrass	12/17/1987	Final		1766 Curdsville Rd	Harrodsburg	40330	37.7975	-84.7194444444444		1766 Curdsville Rd	Harrodsburg	KY	Brown	Coy	N	N
00005051		Unusable For Intended Use	Dry Hole		5/6/1987	200		Residence - Darrell Downey	Wilmore	Garrard	Bluegrass	6/9/1987	Final					37.7822222222222	-84.6913888888889				KY	Downey	Darrell	N	0
00069577		Plugged	Plugged and Decommissioned	Unused			127879	Residence - Don L Harmon	Wilmore	Mercer	Bluegrass	10/14/2015	Final		734 Chimney Rock Rd	Harrodsburg	40330	37.7606	-84.6955		734 Chimney Rock Rd	Harrodsburg	KY	Harmon	Don	A	N
90001873	Webb Spring	Active		Agriculture - Livestock Watering				Residence - Georgia Webb	Wilmore	Mercer	Bluegrass	10/9/1999	Final		430 Webb Rd	Harrodsburg	40330	37.7975	-84.7177777777778		430 Webb Rd	Harrodsburg	KY	Webb	Georgia	N	N
00052527		Plugged	Plugged and Decommissioned	Unused	7/21/2001			Residence - Jon Collier	Wilmore	Mercer	Mississippi Plateau	5/16/2003	Final					37.7747222222222	-84.7147222222222			Harrodsburg	KY	Collier	Jon	N	N
90001876	Nelson Yard Step	Inactive						Residence - Kenny Nelson	Wilmore	Mercer	Bluegrass	10/9/1999	Final		505 Dix Dam Rd	Harrodsburg	40330	37.795	-84.7277777777778		505 Dix Dam Rd	Harrodsburg	KY	Nelson	Kenny	N	N
00020139		Active	Domestic - Single Household	Unused	5/20/1987	200		Residence - Mike Brenner	Wilmore	Garrard	Bluegrass	8/23/1988	Final					37.7805555555556	-84.6849				KY	Brenner	Mike	N	100
00017285		Active	Domestic - Single Household	Unused	6/2/1988	289		Residence - Charles Ritchey	Wilmore	Mercer	Bluegrass	7/10/1988	Final					37.7594444444444	-84.7366666666667				KY	Ritchey	Charles	N	195
90003604	3-Step Spring	Active		Unused				3155 Shaker Village of Pleasant Hill	Harrodsburg	Mercer	Bluegrass	12/15/2006	Final		3501 Lexington Ave	Harrodsburg	40330	37.8105555555556	-84.7566666666667	Shaker Village of Pleasant Hill	3501 Lexington Avenue	Harrodsburg	KY			U	N
90003602	Shaker Cave Spring	Inactive		Unused				3155 Shaker Village of Pleasant Hill	Wilmore	Mercer	Bluegrass	12/2/2006	Final		3501 Lexington Ave	Harrodsburg	40330	37.8054416667091	-84.731066667091	Shaker Village of Pleasant Hill	3501 Lexington Avenue	Harrodsburg	KY			U	N

There are two Active water supply records highlighted in yellow for which I could not locate well construction records or inspection forms.

From: Mary Sorensen [msorensen@ramboll.com](mailto:msorensen@ramboll.com)  
 Sent: Friday, January 11, 2019 3:20 PM  
 To: EEC KORA <[EEC.KORA@ky.gov](mailto:EEC.KORA@ky.gov)>  
 Cc: Mary Sorensen <[msorensen@ramboll.com](mailto:msorensen@ramboll.com)>; Lisa Jeanne Yost <[lyost@ramboll.com](mailto:lyost@ramboll.com)>  
 Subject: Records Request

Hello,  
 Please see the attached Records Request and cover letter. I look forward to hearing from you. Thank you so much.

**Mary Sorenson**

Certified Ecologist  
Principal

D +1 (678) 3881647  
M +1 (770) 5481799

[msorenson@rambolf.com](mailto:msorenson@rambolf.com)

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Contact with us 

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Suite 210  
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USA  
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Corrective Action Site Investigation, Source Assessment, and Risk Assessment Report

Table H-2: Summary of Wells and Springs Identified in Search Conducted in January 2019 Search of the Kentucky Groundwater Repository  
 Herrington Lake Corrective Action Plan: Site Characterization Report  
 Herrington Lake - Mercer County - Kentucky

QryWellSearchByRadius																												
AKGWA	AltID	Status	Condition	Usage	ConstDate	TotalDepth	AIID	SiteName	QuadName	County	Region	DateReceived	GWSourcesStatus	RegProgram	SiteAddress	SiteCity	SiteZip	LatDecimal	LongDecimal	OwnerBusinessName	OwnerAddress	OwnerCity	OwnerState	OwnerName	OwnerFName	KGS	SWL	
90001872	Railroad Spring	Inactive								Wilmore	Mercer	Bluegrass	10/8/1999	Final				37.79361	-84.7258	Unknown	1415 Rapids Rd	Franklin	KY	Unknown		N		
69576		Plugged	Plugged and Decommissioned	Unused			127880	David Kellar & Stephanie Poole Property		Wilmore	Mercer	Bluegrass	10/14/2015	Final		750 Chimney Rock Rd	Harrodsburg	40330	37.76122	-84.6953		17 Mentelle Park	Lexington	KY	Kellar	David	A	
80065005	MW-110	Active	Functioning Properly	Monitoring Well - Compliance	8/31/2016	52	61580	IGA Express Shell #880		Wilmore	Mercer	Bluegrass	8/29/2016	Final	Solid Waste	227 S Main St	Leitchfield	42754	37.78233	-84.7157	Houchens Industries Inc	700 Church St	Bowling Green	KY			A	
80065006	MW-111	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	100	61580	IGA Express Shell #880		Wilmore	Mercer	Bluegrass	8/29/2016	Final	Solid Waste	227 S Main St	Leitchfield	42754	37.78364	-84.7177	Houchens Industries Inc	700 Church St	Bowling Green	KY			A	
80065007	PZ-103	Active	Functioning Properly	Monitoring Well - Compliance	9/8/2016	121	61580	IGA Express Shell #880		Wilmore	Mercer	Bluegrass	8/29/2016	Final	Solid Waste	227 S Main St	Leitchfield	42754	37.78856	-84.7242	Houchens Industries Inc	700 Church St	Bowling Green	KY			A	
80065008	MW-106	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	100	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.78339	-84.7202	Kentucky Utilities	One Quality St	Lexington	KY			A	
80065004	MW-109	Active	Functioning Properly	Monitoring Well - Compliance	9/14/2016	140	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.7802	-84.7156	Kentucky Utilities	One Quality St	Lexington	KY			A	
80065015	MW-112	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	56	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.7855	-84.7157	Kentucky Utilities	One Quality St	Lexington	KY			A	
80065009	MW-113	Active	Functioning Properly	Monitoring Well - Compliance	9/8/2016	113	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.78661	-84.7153	Kentucky Utilities	One Quality St	Lexington	KY			A	
80065010	MW-114	Active	Functioning Properly	Monitoring Well - Compliance	8/9/2016	25	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.78752	-84.7151	Kentucky Utilities	One Quality St	Lexington	KY			A	
80065017	MW-115	Active	Functioning Properly	Monitoring Well - Compliance	10/6/2016	40	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.77642	-84.7152	Kentucky Utilities	One Quality St	Lexington	KY			A	
80065018	MW-116	Active	Functioning Properly	Monitoring Well - Compliance	10/6/2016	123	3148	KY Utilities Co - Brown Station		Wilmore	Mercer	Bluegrass	1/9/2017	Final	Solid Waste	815 Dix Dam Rd	Harrodsburg	40330	37.77685	-84.725	Kentucky Utilities	One Quality St	Lexington	KY			A	
90001875	Houp Bathhtub Spring	Active		Agriculture - Livestock Watering				Residence - Clifford Houp		Wilmore	Mercer	Bluegrass	10/9/1999	Final		1726 Curdsville Rd	Harrodsburg	40330	37.79806	-84.7264		1726 Curdsville Rd	Harrodsburg	KY	Houp	Clifford	N	
90001874	Houp Bunker Spring	Inactive						Residence - Clifford Houp		Wilmore	Mercer	Bluegrass	10/9/1999	Final		1726 Curdsville Rd	Harrodsburg	40330	37.79806	-84.7281		1726 Curdsville Rd	Harrodsburg	KY	Houp	Clifford	N	
20031		Plugged	Plugged and Decommissioned	Unused	11/21/1987	100		Residence - Coy Brown		Wilmore	Mercer	Bluegrass	12/17/1987	Final		1766 Curdsville Rd	Harrodsburg	40330	37.7975	-84.7194		1766 Curdsville Rd	Harrodsburg	KY	Brown	Coy	N	
501		Unsuitable For Intended Use	Dry Hole		5/6/1987	200		Residence - Darrell Downey		Wilmore	Garrard	Bluegrass	6/9/1987	Final					37.78222	-84.6914				Downey	Darrell	N	0	
69577		Plugged	Plugged and Decommissioned	Unused			127879	Residence - Don L Harmon		Wilmore	Mercer	Bluegrass	10/14/2015	Final		734 Chimney Rock Rd	Harrodsburg	40330	37.7606	-84.6955		734 Chimney Rock Rd	Harrodsburg	KY	Harmon	Don	A	
90001873	Webb Spring	Active		Agriculture - Livestock Watering				Residence - Georgia Webb		Wilmore	Mercer	Bluegrass	10/9/1999	Final		430 Webb Rd	Harrodsburg	40330	37.7975	-84.7178		430 Webb Rd	Harrodsburg	KY	Webb	Georgia	N	
55257		Plugged	Plugged and Decommissioned		7/21/2001			Residence - Jon Collier		Wilmore	Mercer	Mississippian Plateau	5/16/2003	Final					37.77472	-84.7147			Harrodsburg	KY	Collier	Jon	N	
90001876	Nelson Yard Seep	Inactive						Residence - Kenny Nelson		Wilmore	Mercer	Bluegrass	10/9/1999	Final		505 Dix Dam Rd	Harrodsburg	40330	37.795	-84.7278		505 Dix Dam Rd	Harrodsburg	KY	Nelson	Kenny	N	
20153		Active		Domestic - Single Household	5/20/1987	200		Residence - Mike Breiner		Wilmore	Garrard	Bluegrass	3/21/1988	Final					37.76056	-84.69				Breiner	Mike	N	140	
1785		Active		Domestic - Single Household	6/2/1986	289		Residence - Owsley Ritchey		Wilmore	Mercer	Bluegrass	7/10/1986	Final					37.75944	-84.7367				Ritchey	Owsley	N	195	
90003604	3-Step Spring	Active		Unused			3155	Shaker Village of Pleasant Hill		Harrodsburg	Mercer	Bluegrass	12/15/2005	Final		3501 Lexington Ave	Harrodsburg	40330	37.81056	-84.7567	Shaker Village of Pleasant Hill	3501 Lexington Avenue	Harrodsburg	KY			U	
90003602	Shaker Cave Spring	Inactive		Unused			3155	Shaker Village of Pleasant Hill		Wilmore	Mercer	Bluegrass	12/2/2005	Final		3501 Lexington Ave	Harrodsburg	40330	37.80544	-84.7311	Shaker Village of Pleasant Hill	3501 Lexington Avenue	Harrodsburg	KY			U	
								Well also identified in 2018 search and summarized in Table 4-1 of main report.																				
								Spring also identified in 2018 survey and summarized in Table 4-2 of main report.																				