



**ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

**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: Allan Shingleton
300 Sower Boulevard, 3rd Floor
Frankfort, Kentucky 40601 or allan.shingleton@ky.gov

For assistance contact Allan Shingleton at (502) 782-6907 or allan.shingleton@ky.gov

System Information:

PWS Name: **Ledbetter Water District**

PWS ID Number: **KY0700243**

AI Number: **2376**

Contact Person/Title: **Alan Fox - Manager**

Mailing Address: **P.O. Box 123 Ledbetter, KY 42058**

Telephone: [Click here to enter text.](#) Email: **Ledbetterwaterdi@bellsouth.net**

System Type*: **Community**

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

Source*: **2 Wells** *Well(s) or Spring(s) and total number of each

AKGWA#(s) (if applicable): **0000-5034, 0000-5014**

County: **Livingston** ADD: **Pennyrile**

WWD Permit #: **0651** Permitted Amount (mgd): **0.285**

Population Served: **3381**

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

WHPP Changes Summary: **None**

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

If the treatment plant location has changed then provide a new location map below. This can be a county road map or a GIS-produced map. Please use the area below to provide relevant details, or to indicate that no change has occurred.

No changes.

Section 2: Water Withdrawal and Water Quality

If there have been changes in water withdrawal rates or water quality since the last submittal, provide a discussion of the relevant details in the space below (include new Water Withdrawal Permit Number if applicable). Include supporting documentation as an attachment.

No changes.

Section 3: Change or Modification to Groundwater Source

If the system has changed or modified the wells or springs being used, provide the following: 1) a description of changes/modifications; 2) copies of the relevant form(s) (Kentucky Water Well Record, Well Maintenance & Plugging Record, Well Inspection Form or Spring Inventory Record); and 3) any other information relating to well construction (i.e., installation logs, driller's logs, lithologic or geophysical logs), below.

No changes.

Section 4 (REQUIRED): Planning Team

Effective water supply protection requires community involvement and public awareness. Identify the planning team consisting of a leader and at least two team members, with their respective titles, below.

Leader:

Alan Fox - Manager

Team Members:

Paula Malone – Office Manager

Ryan Marrow – Assistant Manager

Section 5: WHPA Delineation

If the system is revising a Wellhead Protection Area (WHPA) delineation, or if a new groundwater source has been added since the last submittal, provide a site-specific description of the local geology and aquifer. Include references for published literature. Provide a summary of any aquifer tests (i.e. pumping tests, slug tests, tracer tests), including data gathering and evaluation methods. Show calculations and supporting data for each WHPA delineated or revised. Include the detailed hydrogeologic report as an attachment.

N/A

Section 6 (REQUIRED): WHPA Map

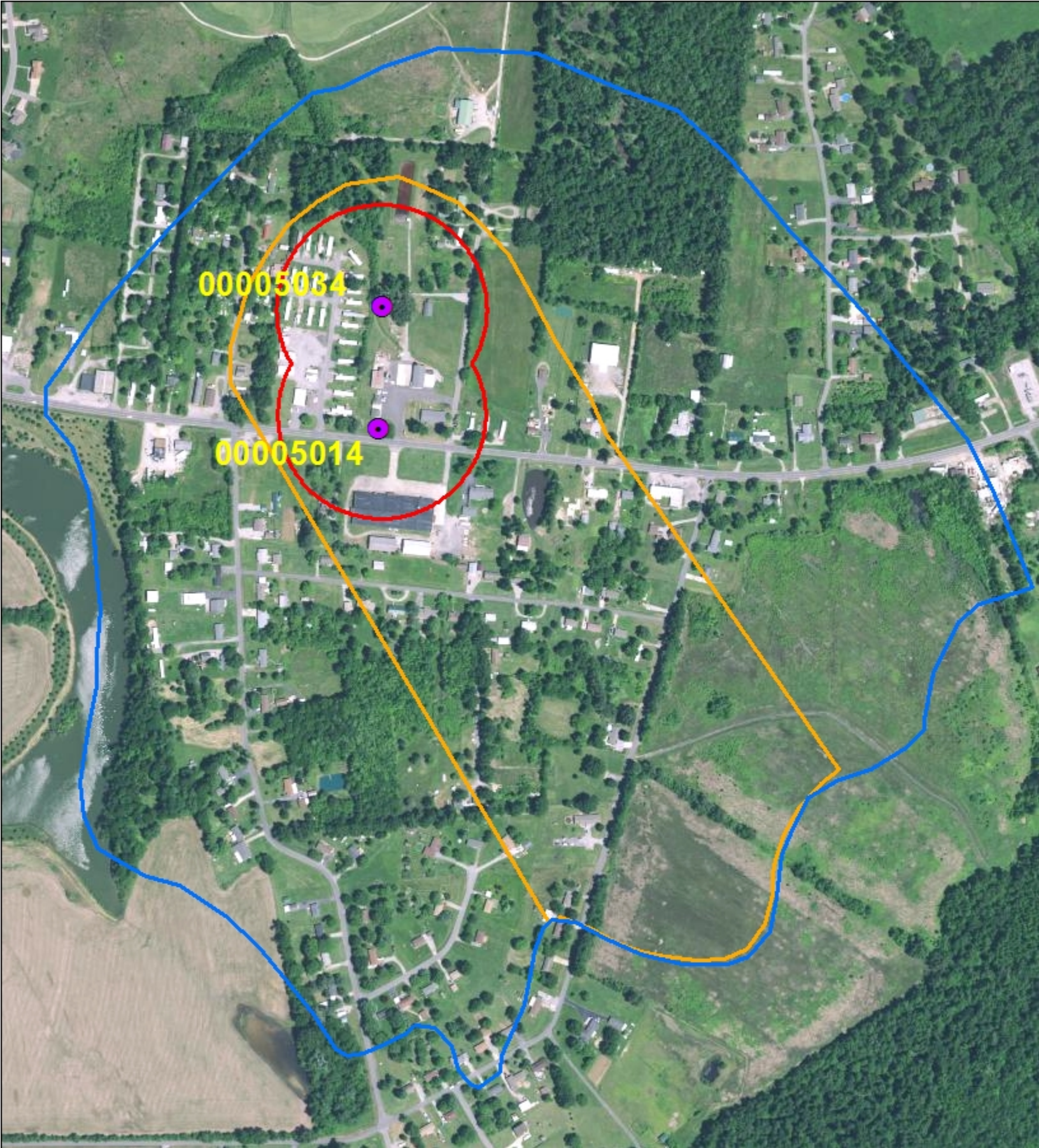
Provide a WHPA map that shows each groundwater source labeled with the appropriate AKGWA #, all protection zones identified and the Contaminant Source Inventory (CSI) point locations. If no changes have occurred since the last submittal, then a copy of the most recent WHPA/CSI map can be resubmitted. Please contact program staff for assistance.

Attached





Section 7 (REQUIRED): Contaminant Source Inventory

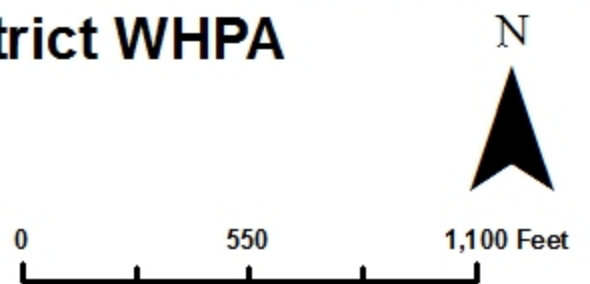
Provide an updated CSI in table format. This can be created using the spreadsheet template provided, and copied into the space below. If no changes occurred since the last update, the table can be pulled from previous WHPP documents. Each contaminant source listed should have a Contaminant Source ID # that corresponds to the WHPA map in Section 6. The CSI table must show the susceptibility determination ranking for each contaminant source. Include a brief discussion of the overall system susceptibility. Please contact program staff for assistance.

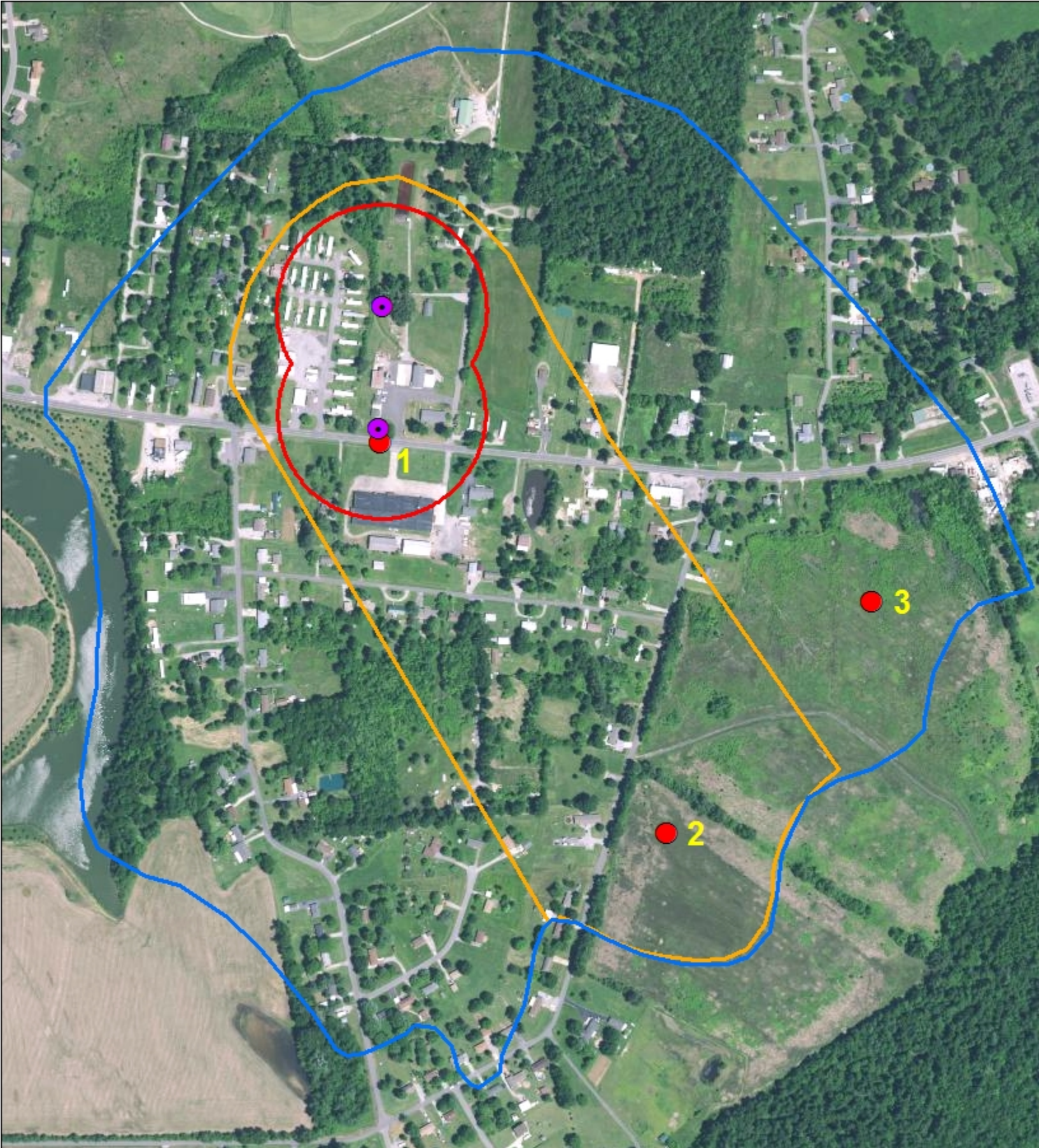
Attached



Ledbetter Water District WHPA

-  Zone 1: 180 day time of travel
-  Zone 2: 10 year time of travel
-  Zone 3: Hydrologic boundary
-  PWS well





Ledbetter Water District CSI

-  Zone 1: 180 day time of travel
-  Zone 2: 10 year time of travel
-  Zone 3: Hydrologic boundary
-  PWS well
-  Potential contaminant source

0 500 1,000 Feet



Contaminant Source ID	Contaminant Source	Address	Quantity	WHPA	Proximity	Contaminant Value	Hydrologic Sensitivity	Rating	Susceptibility Ranking
1	Hwy 60		1	1	3	3	2	17	High
2	Row Crops		1	2	2	3	2	15	High
3	Row Crops		1	3	1	3	2	13	Med

Section 8 (REQUIRED): Management Strategies

Provide a discussion of the previous and newly proposed management strategies. This discussion must include the previous management strategies that were implemented as well as the goals that were met. Next, include any NEWLY proposed management strategies, associated goals, implementation plans and the party responsible for implementation.

Previous Management Strategy Update:

Previous management strategies involved public education through signs placed on US HWY 60 at the boundaries of the WHPA, and wellhead brochures provided by the DOW.

Newly Proposed Management Strategies:

Ledbetter will continue to use public education of the WHPA through signage and brochures as a management strategy.

Section 9 (REQUIRED): Contingency and WHP Planning

Provide a description of Contingency and WHP Planning. Complete the Emergency Response Phone List, Procedures for Public Notification, identification of Potential Future Problems and the procedures to establish Alternative Water Supplies. This section must also address how often the WHPP will be reviewed and updated.

Emergency Response Phone List

Fill in all Blanks and Phone Numbers with appropriate information.

Local Emergency Response	Phone Number
Plant Operator	270-898-3236
Ledbetter Fire Department	270-928-2196
Livingston Co. Sheriff Department	270-928-2122
Livingston Co. Emergency Managment	270-928-2196
Local Emergency Dispatch Click here to enter text.	911

State and Federal Assistance	Phone Number
Kentucky DOW (Frankfort)	502-564-3410
Kentucky DOW Associated Field Office Madisonville	270-898-8468
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
Click here to enter text.	PHONE NUMBER
Click here to enter text.	PHONE NUMBER
Click here to enter text.	PHONE NUMBER

Procedures for Public Notification:

In the event of a water system emergency that would threaten the health or life of the public, use the following procedure. Prepare and broadcast an advisory, including directions for the public. Describe the public notification process and provide contacts for those media outlets. If the system uses methods other than traditional media please list them.

Newspaper, Television, and Radio Stations	Phone Numbers
Paducah Sun	270-575-8600
WKYQ Radio	270-444-6397

Potential Future Problems:

Describe the *most likely* scenarios that could threaten the water supply.

The most likely scenario would be a spill on US HWY 60.

Alternative Water Supply (Short and Long Term):

Describe the short term and long term water supply alternatives that address each of the potential future problems identified above. List all current interconnections with other water systems. Discuss the capacity of each potential alternative water supply to sustain normal operations.

Short Term: Issue a boil water advisory, or temporarily purchase water from Crittenden-Livingston WD

Long Term: Drill new well(s), purchase water from Crittenden-Livingston WD

Schedule for Update and Review:

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

Section 10 (REQUIRED): Copies of Public Notices and Education and Outreach Materials

Provide copies of public notices and education and outreach materials distributed.

Click here to enter text.

Section 11 (REQUIRED): Public Meeting Documentation***

Provide the record of WHPP public meeting attendance, minutes and comments.

Click here to enter text.

***Non-Community Water Systems are not required to have public meetings for 5 year updates, but must post a public notice in a conspicuous place. A public notice template is provided as a separate document. However, public input and associated documentation are encouraged. Please contact program staff if you have any questions.

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: _____ **Date:** Click here to enter text.

Printed Name/Title: Click here to enter text.

Assistance:

For any assistance please contact Wellhead Protection Staff:

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

Ben Currens
(502)782-5227
Benjamin.Currens@ky.gov

Please sign and return completed form to:

Kentucky Division of Water
Watershed Management Branch
Attention: Allan Shingleton
300 Sower Boulevard, 3rd Floor
Frankfort, Kentucky 40601
or allan.shingleton@ky.gov