

WELLHEAD PROTECTION: NEW WELL/SPRING APPLICATION SHEET

Georgia Department of Natural Resources
Environmental Protection Division/Drinking Water Program

FOR COMMUNITY - MUNICIPAL DRINKING WATER SYSTEMS ONLY

This is a preliminary data check to expedite permitting of new drinking water sources for municipal - community systems. A separate application must be filed for each new well.

System Name: _____ County: _____
System ID. No. _____ System Permit No. _____ Proposed Well/Spring No. _____
Owner: _____ Applicant: _____
Address: _____ Address: _____
City/State/Zip: _____ City/State/Zip: _____
Phone No.: () _____ Phone No.: () _____

Well/Spring Address if applicable: _____
Submit a map - mark the well location on a USGS 7 1/2 minute topographic map, a copy of a portion of a map is acceptable.
Is the well site located within a 100 year flood plain zone as defined by FEMA? _____ yes _____ no

Ground Elevation: _____ ft. MSL, Longitude: W _____, Latitude: N _____

PROPOSED WELL DESCRIPTION Provide a well construction diagram

Proposed Drill Date: _____ Proposed Total Depth: _____ Proposed Pump Rate: _____ gpm

Name and Georgia License # of proposed driller: _____

PROPOSED DRILLING METHOD (Indicate)

Rotary: _____ Percussion: _____ Other: _____

PROPOSED WELL SCREEN / OPEN HOLE INTERVAL

From: _____ ft. To: _____ ft.
From: _____ ft. To: _____ ft.

PROPOSED CASING INTERVAL

From: _____ ft. To: _____ ft.
From: _____ ft. To: _____ ft.

PROPOSED GROUTING MATERIAL & INTERVAL

Material: _____
From: _____ ft. To: _____ ft.

PROPOSED BACKFILL MATERIAL & INTERVAL

Material: _____
From: _____ ft. To: _____ ft.

Please submit drillers logs from nearby wells if they are available.

PROPOSED WELLHEAD PROTECTION AREA

CONTROL ZONE

15 ft. radius from wellhead

PROPOSED INNER-MANAGEMENT ZONE: (indicate one)

Aquifer Type	Wellhead Protection Area	Key to Map
_____ Karst	500 ft. radius from the wellhead	K
_____ Piedmont Fractured Crystalline Rock	250 ft. radius from the wellhead	P
_____ Coastal Plain Unconfined	250 ft. radius from the wellhead	C
_____ Coastal Plain Confined (attach documentation)	100 ft. radius from the wellhead	C

All wells in the Coastal Plain will be considered unconfined unless shown to be otherwise.

PROPOSED OUTER-MANAGEMENT ZONE:

For the purpose of this application a proposed outer-management zone radius of one mile will be considered when identifying the potential pollution sources listed on the back side of this application. The final outer-management zone will be dependent upon well construction and the geology of the wellhead protection area. The final radius may range from 100 feet to several miles.

**POTENTIAL POLLUTION SOURCE INVENTORY
WITHIN THE PROPOSED WELLHEAD PROTECTION AREA**

Indicate whether any of the following potential pollution sources are present.

EPD will not permit the well/spring if any of the following are present within the inner management zone.

yes no

- commercial animal enclosures poultry enclosures or animal feedlots
 underground storage tanks
 non-domestic septic systems

Further investigation will be necessary if any of the following lie within one mile of the proposed site.

yes no

- domestic septic systems
 municipal solid waste landfill
 industrial waste landfill
 construction waste landfill
 hazardous waste disposal
 facilities handling hazardous waste
 agricultural waste impoundments
 land application of waste water/sludge

yes no

- commercial animal enclosures
 animal feedlots
 quarries/underground mines
 underground storage tanks (unmonitored)
 waste water treatment basins
 non-domestic septic systems
 underground injection wells

PROPOSED ALTERNATE WATER SUPPLY

Please provide a brief description of the alternative water supply to be used in the event this well must be shut down.

Does this permit application affect or require another environmental permit or license or certification issued by the Georgia Environmental Protection Division? No Yes (if Yes, please indicate below)

- | | | | | |
|--|---|---|---|---|
| <input type="checkbox"/> Air Quality | <input type="checkbox"/> Asbestos | <input type="checkbox"/> Dam Safety | <input type="checkbox"/> Drinking Water | <input type="checkbox"/> Erosion/Sediment |
| <input type="checkbox"/> Hazardous Waste | <input type="checkbox"/> Lead-based Paint | <input type="checkbox"/> Radioactive Material | <input type="checkbox"/> Scrap Tires | <input type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Storm Water | <input type="checkbox"/> Underground
Injection Control | <input type="checkbox"/> Underground
Storage Tanks | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Water Withdrawal |
| <input type="checkbox"/> Well Drilling | <input type="checkbox"/> Other (specify): | | | |

I understand the Director of EPD is relying upon the accuracy of the information provided herein and in accordance with Section 9 of the Georgia Safe Drinking Water Act of 1977. I shall upon request of the Director or his representative, provide such additional information as may be necessary to complete final disposition of the application. I further understand it is unlawful for any person to own or operate a public water system, except in such a manner as to conform and comply with all rules, regulations, orders, and permits established under the provisions of the Georgia Safe Drinking Water Act of 1977 and applicable to the waters involved.

Name of Owner of the Water System as it will appear on the permit (Individual, City, County, Company, etc.) Please Print

Owner's or Authorized Agent's Signature: _____ Title: _____

For governmentally owned water systems (Cities, Counties, Authorities):

To the best of my knowledge, the water system is in compliance with the Service Delivery Strategy (House Bill 489, 1997) for all counties in which its boundaries lie.

Owner's or Authorized Agent's Signature: _____ Date: _____

SEND FORM TO: Don Shellenberger, Georgia Environmental Protection Division, Drinking Water Program, 2 Martin Luther King Jr. Dr. SE, Suite 1362 East Tower, Atlanta, Georgia 30334. (404) 463-3948.

LUMPKIN COUNTY RESOLUTION No. 2010-71

A RESOLUTION TO PROVIDE FOR THE PROTECTION OF THE WELLS PROVIDING DRINKING WATER FOR PUBLIC CONSUMPTION AND TO MEET THE REQUIREMENTS OF THE GEORGIA DEPARTMENT OF NATURAL RESOURCES BY ADOPTION OF A WELLHEAD PROTECTION ACT

Whereas, the governing authority of Lumpkin County has received the request of the Lumpkin County Water and Sewerage Authority to adopt a Wellhead Protection Ordinance; and,

Whereas, the governing authority of Lumpkin County now desires to adopt said ordinance as set out on the attached Exhibit "A," which is by reference fully incorporated herein;

Now therefore, it is hereby resolved that the attached ordinance shall be adopted as the Lumpkin County Wellhead Protection Ordinance.

Resolved and adopted this 16th day of December, 2010, with an effective date of January 1, 2011.



John Raber, Chairman
Lumpkin County Board of Commissioners

Attest:



Ruth A. Bohac
Clerk, Lumpkin County

THE LUMPKIN COUNTY WELLHEAD PROTECTION ORDINANCE

EFFECTIVE JANUARY 1, 2011

This ordinance shall be known as the "Wellhead Protection Ordinance."

The purpose of this ordinance is to insure the provision of a safe and sanitary drinking water supply for Lumpkin County by the establishment of wellhead protection zones surrounding the wellheads for all wells and springs which are the supply sources for the Lumpkin County Water and Sewerage Authority water system, and by the designation and regulation of property uses and conditions which may be maintained within such zones.

Section 1. Definitions. When used in this ordinance the following words and phrases shall have the meaning given in this section:

- a. Hazardous waste or material - any waste or material which because of its quantity, concentrated or physical, chemical or infectious characteristics may:
 - (1) Cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitation reversible illness; or
 - (2) Pose a substantial present or potential hazard to human health or to the environment when improperly treated, stored, transported, disposed of or otherwise managed.
- b. Sanitary Landfills - A disposal site where solid wastes, including putrescible wastes, or hazardous wastes, are disposed of on land by placing earth cover thereon.
- c. Wellhead - The upper terminal of a well or spring, including adapters, ports, seals, valves and other attachments.

Section 2. Establishment of a wellhead protection zone. There is hereby established a use district to be known as a wellhead protection zone, identified and described as all the area within a zone, within of which is the center of any LCWSA water supply wellhead. In a situation where the wellhead protection zone extends into the jurisdiction of another government entity, the governing authority of Lumpkin County will request that government to respect the protective features of this ordinance. The area will consist of two zones identified as follows:

- a. **The Control Zone:** Within this zone, the Lumpkin County Water and Sewerage Authority shall control all activities so that there are minimal sources of potential pollution in the immediate vicinity of the wellhead. The Control Zone is all that area within a circle, the center of said wellhead and the radius of which is 157 feet.

b. The Management Zone: Within this zone, certain potential pollution sources are prohibited and certain activities must be performed in accordance with the State of Georgia "Rules for Safe Drinking Water, Section 391-3-5.40 Wellhead Protection". The Management Zone may include inner- and outer-management zones, and contains the control zone and the wellhead as identified in the approved Georgia Wellhead Protection Plan for the Lumpkin County Water and Sewerage Authority.

Section 3. Prohibited uses. The following uses or conditions shall be and are hereby prohibited within wellhead protection zones, whether or not such use or condition may otherwise be ordinarily included as a part of a use permitted under Section 3 of this ordinance:

- a. Any new septic tanks or drain fields appurtenant thereto may not be less than 100 feet from the wellhead;
- b. Sanitary landfills;
- c. Hazardous waste disposal sites;
- d. Any new storm water infiltration basins within 250 feet of the wellhead;
- e. Any new underground storage tanks within 250 feet of the wellhead;
- f. Any new sanitary sewer lines within the control zone of a wellhead.

Section 4. Administration. The policies and procedures for administration of any wellhead protection zone established under this ordinance, including without limitation those applicable to non-conforming uses, exceptions, enforcement and penalties, shall be the same as provided in the existing zoning ordinance for the Lumpkin County Water and Sewerage Authority, as the same is presently enacted or may from time to time be amended.

This ordinance shall be effective as of January 1, 2011. All ordinances and parts of ordinances in conflict herewith shall be hereby repealed.

LUMPKIN COUNTY WATER AND SEWERAGE AUTHORITY RESOLUTION 2010-99

A RESOLUTION TO AUTHORIZE AND DIRECT THE REQUEST
FOR
ADOPTION OF THE WELL HEAD PROTECTION ORDINANCE

Whereas the Georgia Department of Natural Resources requires the passage of an ordinance providing for the protection of wells producing water for public consumption in Georgia; and,

Whereas the Georgia Department of Natural Resources further requires that such ordinance have an effective date not later than January 1, 2011; and,

Whereas the LCWSA Board has determined that the Draft Resolution attached hereto as Exhibit "A," and which is by reference fully incorporated herein, meets the requirements of the Environmental Protection Division of the Georgia Department of Natural Resources; and,

Whereas the LCWSA Board has determined that it is the desire and recommendation of the Board that the attached resolution be endorsed and recommended to the Lumpkin County Board of Commissioners for adoption by Lumpkin County;

Therefore, the members of the Board of the Lumpkin County Water and Sewerage Authority do hereby authorize and direct that the Chairman of the Board to draft and execute a letter to the Chairman of the Lumpkin County Board of Commissioners conveying the request of the Board;

Resolved, adopted and effective this 9th day of November, 2010.

Murl D. Jones
Chairman, Board of Directors
Lumpkin County Water and Sewerage

Authority

Attest:

Vic Dover
Secretary, LCWSA

LUMPKIN COUNTY RESOLUTION NO. 2010 - 99

A RESOLUTION TO PROVIDE FOR THE PROTECTION OF THE WELLS PROVIDING DRINKING WATER FOR PUBLIC CONSUMPTION AND TO MEET THE REQUIREMENTS OF THE GEORGIA DEPARTMENT OF NATURAL RESOURCES BY ADOPTION OF A WELLHEAD PROTECTION ACT

Whereas, the governing authority of Lumpkin County has received the request of the Lumpkin County Water and Sewerage Authority to adopt a Wellhead Protection Ordinance; and,

Whereas, the governing authority of Lumpkin County now desires to adopt said ordinance as set out on the attached Exhibit "A," which is by reference fully incorporated herein;

Now therefore, it is hereby resolved that the attached ordinance shall be adopted as the Lumpkin County Wellhead Protection Ordinance.

Resolved and adopted this ___ day of _____, 2010, with an effective date of January 1, 2011.

John Raber, Chairman
Lumpkin County Board of Commissioners

Attest:

Ruth A. Bohac
Lumpkin County Clerk

Exhibit "A"

THE LUMPKIN COUNTY WELLHEAD PROTECTION ORDINANCE
EFFECTIVE JANUARY 1, 2011

This ordinance shall be known as the "Wellhead Protection Ordinance."

The purpose of this ordinance is to insure the provision of a safe and sanitary drinking water supply for Lumpkin County by the establishment of wellhead protection zones surrounding the wellheads for all wells and springs which are the supply sources for the Lumpkin County Water and Sewerage Authority water system, and by the designation and regulation of property uses and conditions which may be maintained within such zones.

Section 1. Definitions. When used in this ordinance the following words and phrases shall have the meaning given in this section:

a. Hazardous waste or material - any waste or material which because of its quantity, concentrated or physical, chemical or infectious characteristics may:

(1) Cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitation reversible illness; or

(2) Pose a substantial present or potential hazard to human health or to the environment when improperly treated, stored, transported, disposed of or otherwise managed.

b. Sanitary Landfills - A disposal site where solid wastes, including putrescible wastes, or hazardous wastes, are disposed of on land by placing earth cover thereon.

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a. The Control Zone: Within this zone, the Lumpkin County Water and Sewerage Authority shall control all activities so that there are minimal sources of potential pollution in the immediate vicinity of the wellhead. The Control Zone is all that area within a circle. The center of said wellhead and the radius of which is 15 feet.

b. The Management Zone: Within this zone, certain potential pollution sources are prohibited and certain activities must be performed in accordance with the State of Georgia "Rules for Safe Drinking Water, Section 391-3-5.40 Wellhead Protection". The Management Zone may include

inner- and outer-management zones, and contains the control zone and the wellhead as identified in the approved Georgia Wellhead Protection Plan for the Lumpkin County Water and Sewerage Authority.

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- a. Any new septic tanks or drain fields appurtenant thereto may not be less than 100 feet from the wellhead;
- b. Sanitary landfills;
- c. Hazardous waste disposal sites;
- d. Any new storm water infiltration basins within 250 feet of the wellhead;
- e. Any new underground storage tanks within 250 feet of the wellhead.
- f. Any new sanitary sewer lines within the control zone of a wellhead.

Section 4. Administration. The policies and procedures for administration of any wellhead protection zone established under this ordinance, including without limitation those applicable to non-conforming uses, exceptions, enforcement and penalties, shall be the same as provided in the existing zoning ordinance for. The Lumpkin County Water and Sewerage Authority, as the same is presently enacted or may from time to time be amended.

This ordinance shall be effective as of January 1, 2011. All ordinances and parts of ordinances in conflict herewith shall be hereby repealed.