

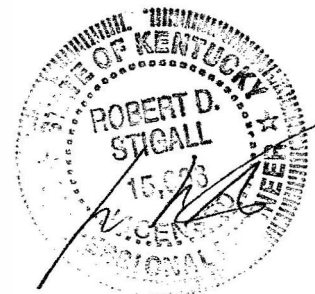
MONROE COUNTY WATER DISTRICT
PHASE IX WATER
SYSTEM IMPROVEMENTS
PRELIMINARY ENGINEERING REPORT

Prepared By:

STIGALL ENGINEERING ASSOCIATES, INC.
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Nashville, Tennessee 37215
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SEA Project No. 0323

Revised April, 2010



4-2-10

**Monroe County Water District
Phase IX Water System Improvements
Preliminary Engineering Report**

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A. Proposed Project and Funding Status

1. Project Purpose and Funding Status

a. Water Quality/Water Quantity Problems

The City of Tompkinsville is the current supplier of potable water for both the City and Monroe County Water District. The City operates a 1.9 MGD facility that utilizes a lake located directly south of Tompkinsville as its source of raw water. The lake is fed primarily by Mill Creek and its tributaries. The intake is located approximately at mile 5.8 of Mill Creek.

The District has concerns about this existing source both from a quality and quantity viewpoint. Concerning the quantity aspect, the District has had to curtail its customers use due to the lack of supply. This occurred as recently as the summers of 2006 and 2007. Also, the Division of Water has requested that the City certify that it can supply the water to any extension the District proposes.

Concerning other issues, the Division of Water has issued a fairly substantial volume of correspondence pertaining to the Tompkinsville Water Treatment Facility. The District firmly believes it is in the best long term interests of its customers and all the residents of Monroe County to develop a potable water supply utilizing the Cumberland River as the source of raw water.

Section C.4. contains various correspondence the City has received from the Division of Water concerning the water treatment facility.

b. Public Health Concerns

The public health concerns associated with “no action” arise from the existing water quality and quantity issues stated in section A.1.a. There are obvious health concerns if there is a shortage of water and there are existing health concerns concerning potentially harmful compounds forming in the distribution system as a result of disinfection by-products exacerbated by the existing lake source.

c. Inadequate System or System Components

The existing peak demands of the connected customers exceeds 95% of the plant capacity the operator elects to produce. Additional treatment and distribution facilities are needed now to meet existing and future peak demands.

2. Project Description

a. Project Summary

The proposed project consists of locating a new treatment facility on the Cumberland River at approximately River Mile 393.7. A 5.0 MGD water withdrawal permit has been applied for through the Kentucky Division of Water for a 3.0 MGD facility (initial capacity). Also, approximately 100,000 total feet of 8-inch, 12-inch and 16-inch distribution line are proposed along with two elevated storage facilities and a booster pumping station. Figure E.-1. located in the back of this report shows the major components of the proposed project.

b. Planning Area Description

The primary planning area for the project is Monroe County. In addition the Fountain Run Water District, the City of Edmonton and the Cumberland County Water District have indicated a serious interest in purchasing water from the proposed facility to supplement or replace their existing supply and for increased flexibility if a problem arises with their existing finished water sources.

c. Planning Period

The planning period for the project is twenty years from the date of initiation of operation which should occur in approximately 2011.

d. Description of Project Construction Phases

It is anticipated that three concurrent contracts would be bid and awarded. The description and calendar days of these projects is anticipated to approximate the following:

Contract I: Water Treatment Facility & Intake 500 Days
Contract II: Water Distribution Lines & Pumping Facility 360 Days
Contract II: Elevated Storage Facilities: 300 Days

As such, it is anticipated that the lines and tank will be ready for service a few months before the treatment facility is operational.

e. Owner and Operator of the Facilities

The owner and operator of the facilities at this time would be the Monroe County Water District although, the City of Tompkinsville has been offered joint ownership concerning ownership and operation.

f. Location of the Facilities

The intake for the project is proposed to be at stream mile 393.7 of the Cumberland River in Monroe County, Kentucky. The facility would be located approximately 4,000 feet from the river at a suitable elevation above flood stages. The distribution facilities shown in Figure E.-1 are proposed to transport the finished water to the City of Tompkinsville and the Monroe County Water District.

3. Relevant Design Parameters

a. Description of Major Unit Processes

- A description of the major components the project are as follows:
- Raw water intake structure with two stainless steel screens located at two different elevations equipped with air cleaning devices and tubing for pretreatment feed.
- Conventional flocculation and sedimentation basin treatment facility. Proposed capacity of 3.0 MGD based upon filter area. Pilot studies will be performed and subject to review and comments by the Kentucky Division of Water, if requested by the Division of Water.
- Clearwell facility appropriately sized for facility to achieve proper disinfectant contact time.
- Backwash pump and holding facilities including either drying beds or press.
- High service pumps.
- Distribution lines and new storage facilities.
- Radio telemetry to all major treatment and distribution system components.

b. Flow Diagram

A flow diagram of the proposed facility is located on the following page as Figure A.3.6.

c. Sewer/Water Pipe Lengths, Sizes and Locations

Figure 2.1 shown on the second following page shows the proposed location of the distribution pipe. The approximate lengths of each size of the distribution piping is as follows:

| | |
|----------------|-------------|
| 16-inch: | 32,000 l.f. |
| 12-inch: | 23,400 l.f. |
| 8-inch: | 43,400 l.f. |

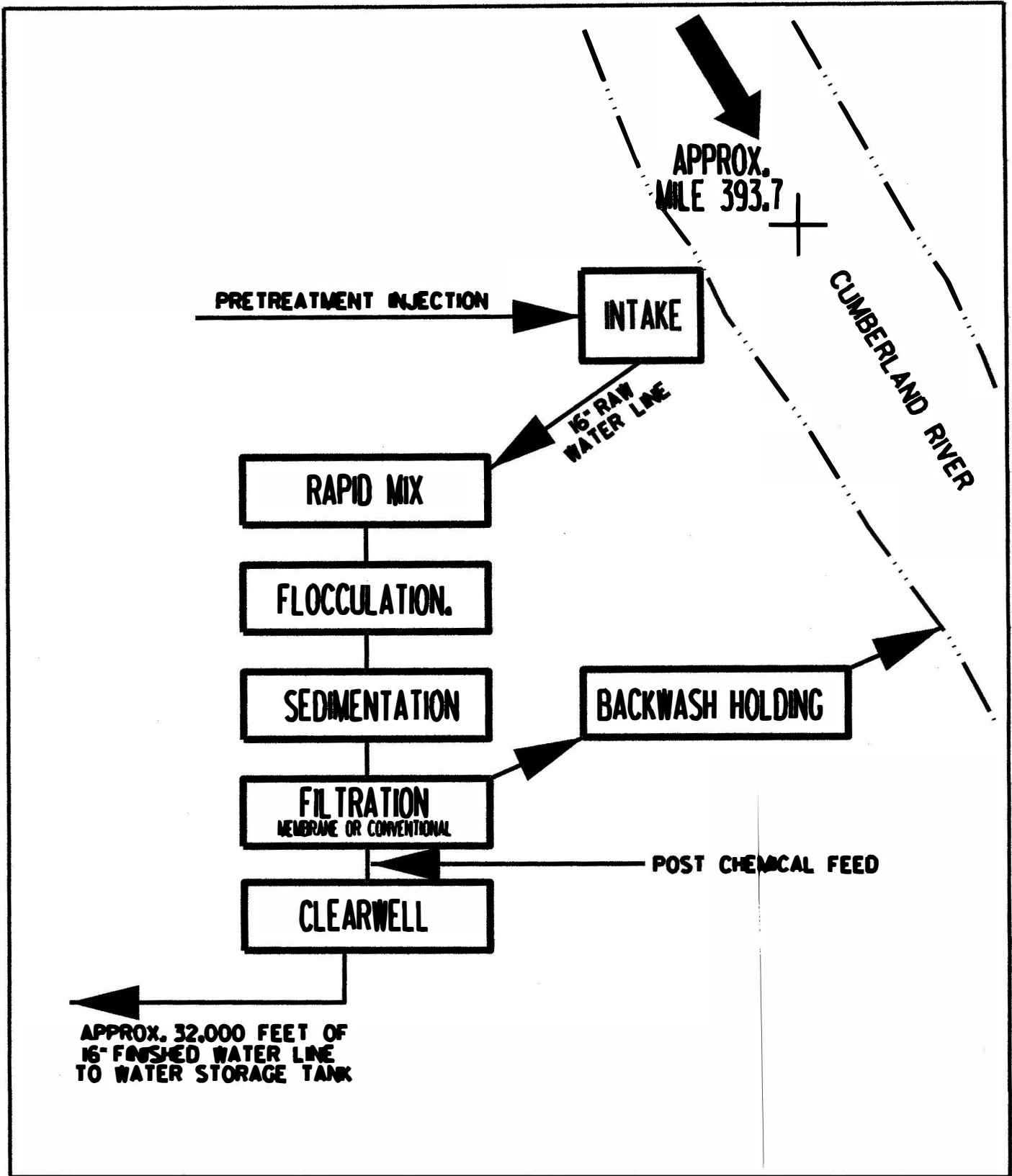
d. Basic Design Criteria

The proposed facilities will be designed per the State of Kentucky's design criteria and recommendations for treatment and distribution facilities. The intake will be designed to supply the rated plant capacity regardless of river level. Variable speed drive equipment is planned to allow the operator to select the desired flow rate. It is anticipated that the treatment facility will be designed with the following approximate detention times:

- Rapid Mixing:45 seconds
- Flocculation:30 minutes
- Sedimentation:4 hours
- Chlorine Contact Time: To be determined upon completing baffle design.

The raw and high service pumps will be designed to pump the plant capacity with the largest unit out of service.

The distribution system will be computer modeled to determine the flow rates through the proposed piping and to watch the distribution tanks drain and fill. Residual pressures will be proposed and analyzed over a 72 – 90 hour period to determine any abnormally high or low pressure areas.



TREATMENT FACILITIES FLOW DIAGRAM

DATE
OCT. 2007



**STIGALL
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2007 WATER SYSTEM IMPROVEMENTS
FOR
MONROE COUNTY WATER DISTRICT
CITY OF TOMPKINSVILLE, KY.

SCALE
NONE

DRAWING NO.
FIG. A.3.6

4. Project Cost

a. The proposed total project cost is estimated to be \$16,500,000. This amount was estimated by an Engineering News Record construction index of 7,888.

b. Portion of the Total Project Cost Funded by EPA

At this time, no portion of the project is proposed to receive EPA funding.

c. List of Amount, Sources and Status of All Funding Sources

Rural Development grant in the amount of \$6,000,000; Rural Development Loan in the amount of \$6,000,000; State Grants in the amount of \$2,650,000; an EPA Grant in the amount of \$1,350,000 and an ARC Grant in the amount of \$500,000.

B. Existing Environment As Pertains to Project

1. Public Health Problems Due to Water Quality

As stated in Section A.1.b., potential public health problems due to water quality are obvious health concerns if there is a shortage of water to existing customers and there are existing health concerns concerning formation of haloacetic acids in the distribution system exacerbated by the existing lake source.

2. Water Quality Problems, Fish Kills, etc.

As stated in Section A.1.a., the Division of Water Quality Control has issued various correspondence pertaining to the Tompkinsville Water Treatment Facility. The District firmly believes it is in the best long term interest of its customers to develop a potable water supply utilizing the Cumberland River as the source of raw water.

3. Groundwater Hydrology

The Kentucky Geological Survey prepared the following information concerning the groundwater resource of Monroe County:

Quality of Groundwater in the County: The quality of groundwater in the Mississippian Plateau Region varies considerably from place to place and is determined by its geologic source and the length of time the water has been in contact with the rocks. Generally, deeper wells produce more mineralized water; however, deeper wells are generally less likely to become polluted by human activities. In Monroe County, water obtained

from most drilled wells in limestone aquifers is considered hard. Common salt and hydrogen sulfide are the two naturally occurring constituents most often encountered in objectionable amounts in groundwater. Water obtained from wells and springs in many limestone aquifers is subject to pollution and at a minimum, should be treated to eliminate bacterial contamination. It is a good practice to have any residential water source tested once a year, or as often as possible.

At a time when surprisingly little information is available on groundwater quality, groundwater contamination has become a major environmental issue. Reliable information about water quality is necessary in order to develop plans for protecting groundwater. The absence of accurate and broad perspectives on groundwater quality may lead to inappropriate and ineffective regulatory policies. Because groundwater supplies a large percentage of rural drinking water and water for agricultural use, rural landowners have become increasingly concerned about the quality of groundwater. The Kentucky Farm Bureau, Kentucky Division of Conservation, University of Kentucky Cooperative Extension Service, and the Kentucky Geological Survey conducted a water-quality survey of nearly 5,000 rural domestic wells. The results are discussed in "Quality of Private Ground-Water Supplies in Kentucky." Additional references are contained in the Water Research Library on the Kentucky Geological Survey's Web site.

Salt Water: Salt water (saline water) is found below fresh groundwater at variable depths throughout the entire state of Kentucky. Depths to the saline groundwater range from 50 feet or less down to 2,000 feet below land surface in Kentucky. "Salinity" is defined as a measure of the quantity of dissolved mineral matter or total dissolved solids (TDS) in water, reported in parts per million (parts per million) or milligrams per liter (mg/L); the two forms of measurement are usually equivalent. The term "salt" or "table salt" as used by most people is pure sodium chloride. Sodium and chloride are generally the major component of saline waters in Kentucky, but are not the only constituents. Water having a TDS concentration of less than 1,000 parts per million is classified as fresh and water having a TDS concentration of 1,000 parts per million or more is classified as saline. Recommendations by the U.S. Public Health Service for drinking water suggest that total dissolved solids should not exceed 500 parts per million, but less than 1,000 parts per million may be used. In agriculture, the recommended TDS levels vary with uses, as shown in the following table, which was taken in part from "Fresh-Saline Water Interface Map of Kentucky" (Hopkins, 1966).

Upper limits of total dissolved-solids concentration in water to be consumed by livestock or used for crops.

| Crop | parts per million |
|--------------------------------|--------------------------|
| All crops, including forage | 525 |
| Most fruit and vegetable crops | 1,400 |
| Poultry | 2,860 |
| Pigs | 4,290 |
| Horses | 6,435 |
| Cattle (dairy) | 7,150 |
| Cattle (beef) | 10,000 |
| Adult sheep | 12,900 |

Being aware of the depth to saline groundwater is valuable when planning a water-supply well. Drilling a well too deep through the freshwater interval may cause a good well to be unsuitable for various uses. Care must be taken to prevent contamination of the freshwater zones by the deeper saline waters. Properly constructed water wells will screen the production zone in the targeted aquifer and isolate all other zones by casing and properly grouting and cementing of the space outside the casings in the boreholes.

In Monroe County the fresh-saline interface ranges from elevations of 500 feet mean sea level along the Cumberland River up to 800 feet in uplands. This corresponds to a depth of less than 100 feet below the level of the principal valley bottoms.

Sensitivity of Groundwater to Pollution: According to the Kentucky Division of Water, Groundwater Branch, Monroe County has areas of moderate to high sensitivity to groundwater pollution (see "Groundwater Sensitivity Regions of Kentucky"). The hydrogeologic sensitivity of an area is defined as the ease and speed with which a contaminant can move into and within a groundwater system. The sensitivity assessment addressed only the naturally occurring hydrogeologic characteristics of an area. Possible impacts of human activity upon groundwater, such as mining, logging, industry, and the use of pesticides, injection wells, and landfills, were not considered in the production of this map. Because of its small scale and generalized nature, this map is not intended for site-specific use, such as detailed land-use planning for city, county, or State agencies. The map should prove useful as a broad-scale management, educational, and planning tool, however.

Exploration for Groundwater: Groundwater is precipitation that has drained through the soil into the gravels and bedrock fractures and faults below. It is found nearly everywhere, but useable, reliable quantities can only be tapped in sand, gravel, and rock formations that have sufficient void space to hold and conduct water. These formations are known as aquifers. Most groundwater used for domestic supply comes from relatively shallow wells (less than 150 feet in depth) in fractured bedrock or unconsolidated materials. The bedrock may be shale, sandstone, siltstone, limestone, or coal. Water can be stored in all these rocks, but rapid movement of water is primarily controlled by secondary fractures--joints or faults that penetrate the rock near the land surface (Wyrick and Borchers, 1981; Kipp and Dinger, 1991).

Joints and faults in the earth's crust may extend for tens of feet up to several miles in length. The more lengthy of these features, called linear terrain features, fracture traces, or lineaments, can be seen on different types of aerial photographs and satellite imagery. These features may collect, store, and transport large amounts of groundwater that can provide sufficient water to communities and industry.

Little effort has been made in the past to determine the groundwater resource potential as it relates to high-yield wells. Recent efforts in the upper Kentucky River Basin, in which satellite imagery was used to locate wells, resulted in three out of four resulting wells producing more water than 90 percent of all the recorded wells in the area, and having enough water to supply from 50 to 250 homes per well.

Exploiting geologic features such as fracture traces and lineaments is a common technique used for the exploration of subsurface fluids, including groundwater (Siddiqui and Parizek, 1971; Mabee and others, 1994) and petroleum (Driscoll, 1986). Fracture traces are linear expressions on the earth's surface that are less than 1 mile in length; those greater than a mile are termed lineaments. Linear features that are not readily apparent on the ground can often be distinguished at high altitudes. Currently, private vendors as well as foreign agencies have made high-resolution satellite photos and radar images available. These data can be used in detailed surficial analysis for linear features that can be related to high-production groundwater zones.

4. Drinking Water Sources and Supply

There are two drinking water sources of supply in Monroe County that merit consideration. The first site to be considered is the existing lake currently in use by the City of Tompkinsville. The lake has an area of approximately 110 acres based upon the USGS Tompkinsville map and has a drainage area of approximately 7 - 8 square miles. This source

appears marginally viable from a quantity standpoint, however, it also presents some quality challenges. The volume of storage in the lake is more limiting than the yield of the watershed. The upper ten feet has approximately 119 days of storage. Obviously, the amount of storage time would decrease as the average demand increases over time. The existing lake was stressed in the summer of 2007 and would have been critical if an additional 0.5 MGD was withdrawn which does not allow for much growth. It is widely recommended that impoundments located on drainage areas of less than 10 square acres should have 200 days of storage.

The other source for water supply in Monroe County is the Cumberland River. The river is relatively accessible for an intake and treatment facility with a good corridor for a finished water line along Sulphur Creek Road from the river to Tompkinsville. The Cumberland River has an average flow of approximately 22,000 cfs at this location. Flow is not guaranteed by the Corps of Engineers, however, minimum pool elevations are strived to be maintained.

5. Topography & Geology

The Kentucky Geological Survey provided the following information concerning topography and geology of Monroe County:

Monroe County is in the Mississippian Plateaus area on the southern border of Kentucky. The topography varies from highly dissected in the eastern part to moderately and mildly dissected in the western and central areas of the county. The most rugged terrain is in the eastern area along or near the valley of the Cumberland River. The topography here is similar to that along Muldraugh Hill, and the west side of the valley is topographically similar to the Muldraugh (Highland Rim) Escarpment.

The elevation of the river is approximately 500 feet, whereas the adjacent ridges and hills are 300 feet higher. Practically no flat land is present in this part of the county, except along the valley bottoms. The lowest point in the county is an elevation between 495 and 500 feet, the elevation of the Cumberland River where it crosses the state line.

The central and western parts of the county are an upland plateau with elevations ranging from 1,100 feet on the east to approximately 800 feet on the west. Streams have carved valleys 100 to 150 feet below the upland, and some of the intervening ridges have nearly flat tops. Some karst features are present, but do not dominate the landscape. The highest elevation in the county, 1,141 feet, is near the community of Persimmon, about 7.5 miles north-northeast of Tompkinsville. An elevation of 1,130 feet has been recorded for a ridge north of Kentucky 100 about 4 miles

east-northeast of Tompkinsville. The elevation of Barren River at the west boundary of the county is approximately 595 feet.

The elevation of Tompkinsville, at the courthouse, is 923 feet. Elevations at other communities are Akersville, 840 feet; Bugtussle, 848 feet; Flippin, 730 feet; Fountain Run, 775 feet; Gamaliel, 850 feet; Mud Lick, 992 feet; Persimmon, 1,090 feet; and Sulphur Lick, 840 feet. The elevation at the entrance of Old Mulkey Meeting House State Park is 910 feet.

Geology of the County: In Monroe County, water is obtained from consolidated sedimentary rocks of Ordovician, Silurian, Devonian, and Mississippian ages, and from unconsolidated sediments of Quaternary age. Geologists call the oldest rocks found at the surface in Monroe County the Liepers Limestone. This formation was deposited in warm seas 450 million years ago, during the Ordovician Period. Above the Ordovician rocks are the Silurian rocks. Above the Silurian rocks is the Devonian Chattanooga shale, 400 million years old, which was formed when the deep sea floor became covered with an organic black muck. The muck is now hard black shale (an oil shale) and is one of the most distinctive of all geologic formations in Kentucky. The Mississippian sandstones and siltstones are the result of a great influx of mud, silts, and sands brought in by rivers and streams from uplands many miles away and deposited as a great delta. The Mississippian limestones found in Monroe County were deposited 350 million years ago in the bottom of a warm, shallow sea. Over the last million years unconsolidated Quaternary sediments have been deposited along the larger streams and rivers.

Geologic Formations in the County

Unconsolidated deposits

Alluvium (Qa)

Limestones

St. Louis Limestone (Mgl)

Salem and Warsaw Formations (Msh)

Fort Payne Formation (Mbf), limestone bodies within Fort Payne (ls)

Fractured shales

Chattanooga Shale (MDnb)

Interbedded limestones and shales

Laurel and Brassfield Dolomites, Osgood Formation (Slb)

Cumberland Formation, Liepers Limestone, Catheys Formation (Ocl)

6. Federally Endangered & Threatened Species

The Kentucky E-Clearinghouse has posted this project and has recieved the comments as shown on the following pages.



STEVEN L. BESHEAR
GOVERNOR

DEPARTMENT FOR LOCAL DEVELOPMENT
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TONY WILDER
COMMISSIONER

May 29, 2009

Ms. Marcie Clark
Stigall Engineering Associates
4117 Hillsboro Pike, Suite 206
Nashville, Tennessee 37215-2728

**RE: Monroe Co. – Tompkinsville Regional Water Treatment Plant
WX21171027**

SAI#: KY200708141135

Dear Ms. Clark:

Pursuant to your request, the State Clearinghouse will update its evaluation of SAI# **KY200708141135**. The State Clearinghouse has contacted appropriate state agencies and determined its previous comments regarding this proposal are still valid.

Please consider this correspondence as official notification that the State Clearinghouse is reaffirming its previous correspondence. This endorsement remains valid for a period of one (1) year from the date of this letter.

If you have any questions regarding this matter, please feel free to contact the State Clearinghouse at 502-573-2382.

Sincerely,

Lee Nalley
Kentucky State Clearinghouse

Attachments

Any proposed access or encroachment of a State maintained road should be coordinated at the earliest possible stage with:

Allen Cox, Permits Engineer
Kentucky Department of Highways
900 Morgantown Road
P. O. Box 599
Bowling Green, Kentucky 42102
Telephone (270) 746-7898
Fax (270) 746-7643

Wilson, Jimmy:
The Division of Planning has no comments.

The Office of State Budget Director has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Endorsed by Vicki Goins

The Health and Family Services has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

This project does not directly impact CHFS.

The Kentucky Housing Corporation has made the following advisory comment pertaining to State Application Identifier Number KY200708141135
no comments

The Heritage Council has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

The applicant must ensure compliance with the Advisory Council on Historic Preservation's Rules and Regulations for the Protection of Historic and Cultural Properties (36CRF, Part 800) pursuant to the National Historic Preservation Act of 1966, the National Environmental Policy Act of 1969, and Executive Order 11593.

An archaeological survey is needed for all segments of the water transmission line outside of highway right-of-ways and any expansion areas for the water treatment plant. The archaeological report must be submitted to the Kentucky Heritage Council for review and approval.

The Housing, Building, Construction has made the following advisory comment pertaining to State Application Identifier Number KY200708141135
no comments

The Fish & Wildlife has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Based on the information provided, the Kentucky Department of Fish & Wildlife Resources has no comments concerning the proposed project.

The Labor Cabinet has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Prevailing Wage Rates are applicable please contact the Kentucky Department of Labor at 502-564-3070 to obtain the proper rates

The Natural Resources has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Project personnel need to contact the Water Withdrawal Permitting Program with the KY Division of Water for water availability and water withdrawal permitting application for the proposed new intake location in the Cumberland River. A Source Water Protection plan will need to be developed for the proposed new withdrawal area.

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water treatment plant construction. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY200708141135) when submitting plans and specifications.

This project is consistent with the Monroe County Water Management Plan. It is approved for water management planning. It is approved for water withdrawal by the Water Quantity Management Section of DOW. From the application data, DOW ascertains that a stream construction permit application will need to be submitted to our office for further review of this project.

The need for a more abundant source and a higher quality of raw water has started the process of going to the Cumberland River that lies only 7 miles from the city and the major distribution point for the water district. Edmonton Water Works, Cumberland County Water District and Fountain Run Water District have all sent letters of commitment to purchase portions of their water from the new treatment plant. The 37 year old plant in Tompkinsville will not be able to meet the demand within 5 years. Completion of this project will provide improved water service to 4,600 households, 71 commercial entities, and 44 miscellaneous entities (schools, churches, etc.) as well as provide new water service to 500 households. The 12 month average for their capacity is 58% and their current filter capacity average is 64%. The new demand will increase both design capacity and filter capacity by 5% this will leave them at less than 70% on their design capacity and at less than 75% on their filter capacity. There are no objections to the proposed new water treatment plant. However, a preliminary engineering report must be submitted for review and approval prior to the submittal of the final engineering plans and specifications for the water treatment plant expansion. Final plans and specifications must be submitted to the Division of Water's Drinking Water Branch by a registered professional engineer in Kentucky for review, and receive a written approval prior to the beginning of the construction. It is also strongly suggested that the consulting engineers meet with the Drinking Water Branch prior to the submittal of the final plans and specifications for this project.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Transportation has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Moore (D3), Jeff:

The Kentucky Department of Highways is responsible for controlling both public and private usage of right-of-way of the State road system. Any firm, individual, or governmental agency desiring access to a State road or desiring to perform any type of work (including signage) on State right-of-way must obtain a permit from the Department.



STEVEN L. BESHEAR
GOVERNOR

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TONY WILDER
COMMISSIONER

May 29, 2009

Ms. Marcie Clark
Stigall Engineering Associates
4117 Hillsboro Pike, Suite 206
Nashville, Tennessee 37215-2728

**RE: Monroe Co. Water District – Water Treatment Plant
WX21171028**

SAI#: KY200708031112

Dear Ms. Clark:

Pursuant to your request, the State Clearinghouse will update its evaluation of SAI# **KY200708031112**. The State Clearinghouse has contacted appropriate state agencies and determined its previous comments regarding this proposal are still valid.

Please consider this correspondence as official notification that the State Clearinghouse is reaffirming its previous correspondence. This endorsement remains valid for a period of one (1) year from the date of this letter.

If you have any questions regarding this matter, please feel free to contact the State Clearinghouse at 502-573-2382.

Sincerely,

Lee Nalley
Kentucky State Clearinghouse

Attachments

The Natural Resources has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water treatment. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY200708031112) when submitting plans and specifications.

This project is consistent with the Monroe County Water Management Plan. It is approved for water management planning. It is approved for water withdrawal by the Water Quantity Management Section of DOW. From the application data, DOW ascertains that a stream construction permit application will need to be submitted to our office for further review of this project.

This project is for completion of preliminary engineering. The project narrative should have contained more details such as whether it is a treatment plant or distribution system upgrade or both. Also it should have explained briefly why this project is proposed. A comprehensive preliminary engineering report shall be submitted for review and approval by a registered professional engineer in Kentucky prior to the submittal of the final plans and specifications for the construction. Also the preliminary engineering report shall consist of raw water sampling results if a new source water is proposed. See the Drinking Water website for sampling requirements. It is strongly suggested that consulting engineers contact the Drinking Water Branch Supervisor for additional requirements prior to the submittal of the preliminary engineering report.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Heritage Council has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

The project will have no effect on any property listed in or eligible for listing in the National Register of Historic Places. Further, an archaeological survey will not be necessary. Therefore, we have no objection to the project.

The Office of State Budget Director has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Endorsed by Vicki Goins.

The Kentucky Housing Corporation has made the following advisory comment pertaining to State Application Identifier Number KY200708031112
no comments

The Barren River ADD has made the following advisory comment pertaining to State Application Identifier Number KY200708031112
no comments

The Labor Cabinet has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Prevailing Wage Rates are applicable please contact the Kentucky Department of Labor at 502-564-3070 to obtain the proper rates

The Housing, Building, Construction has made the following advisory comment pertaining to State Application Identifier Number KY200708031112
no comment

The Transportation has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Moore (D3), Jeff:

The Kentucky Department of Highways is responsible for controlling both public and private usage of right-of-way of the State road system. Any firm, individual, or governmental agency desiring access to a State road or desiring to perform any type of work (including signage) on State right-of-way must obtain a permit from the Department.

Any proposed access or encroachment of a State maintained road should be coordinated at the earliest possible stage with:

Allen Cox, Permits Engineer
Kentucky Department of Highways
900 Morgantown Road
P. O. Box 599
Bowling Green, Kentucky 42102
Telephone (270) 746-7898
Fax (270) 746-7643

Wilson, Jimmy: The Division of Planning has no comments.

The Fish & Wildlife has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Based on the information provided, the Kentucky Department of Fish & Wildlife Resources has no comments concerning the proposed project.

7. Environmental Justice

a. Conditions, Minority & Low Income Areas

Data for Tompkinsville and Monroe County concerning population demographics and poverty maps are shown on the following pages. This proposed project is not anticipated to have a significant impact on the demographics of the county. However, most of the project will be constructed in the area having the highest percentage of poverty levels. As such, there may be some benefits to these families that do not currently have potable water as it would be available upon completion of the project.

8. Land Use & Development

The site of the proposed treatment facility is in unfarmed pasture grasses at this time. Monroe County does not have any zoning requirements for the area of the proposed facility and the location of said facility is not anticipated to alter the use of the land in the vicinity.



Monroe County



| | | | | | |
|--------------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------|---------------------------------|
| Quick Facts | Location | Sites | Buildings | Demographics | Workforce |
| Educ./Training | Bus./Industry | Tax/Incentives | Regs./Permits | Utilities | Quality of Life |
| Community Info Index | | Contact Us | | Go To... | |

Total Population

| | 2001 | 2002 | 2003 | 2004 | 2005 |
|-------------------|---------|---------|---------|---------|---------|
| Labor Market Area | 114,491 | 114,808 | 115,306 | 116,414 | 116,699 |
| Monroe County | 11,745 | 11,783 | 11,740 | 11,660 | 11,716 |
| Tompkinsville | 2,656 | 2,650 | 2,650 | 2,628 | 2,633 |
| Gamaliel | 437 | 435 | 435 | 431 | 431 |

Source: Applied Geographic Solutions, Simi Valley, CA (Labor Market Area and County, 2005 and later); U.S. Department of Commerce, Bureau of the Census (all other).

Population by Selected Age Groups, 2005

| | Monroe County | | Labor Market Area | |
|--------------|---------------|---------|-------------------|---------|
| | Number | Percent | Number | Percent |
| Under 15 | 2,217 | 18.9 | 22,469 | 19.3 |
| 15-24 | 1,541 | 13.2 | 15,420 | 13.2 |
| 25-34 | 1,421 | 12.1 | 14,814 | 12.7 |
| 35-44 | 1,610 | 13.7 | 16,694 | 14.3 |
| 45-54 | 1,673 | 14.3 | 16,456 | 14.1 |
| 55-64 | 1,383 | 11.8 | 13,407 | 11.5 |
| 65-74 | 1,016 | 8.7 | 9,427 | 8.1 |
| 75 and older | 855 | 7.3 | 8,012 | 6.9 |
| Median Age | 39.4 | | 36.7 | |

Source: Applied Geographic Solutions, Simi Valley, CA

Population by Race and Hispanic Origin, 2005

| | Monroe County | | Labor Market Area | |
|--|---------------|---------|-------------------|---------|
| | Number | Percent | Number | Percent |
| White | 11,192 | 95.5 | 112,099 | 96.1 |
| Black | 317 | 2.7 | 2,676 | 2.3 |
| Am. Indian & Alaska Native | 22 | 0.2 | 316 | 0.3 |
| Asian | 1 | 0.0 | 268 | 0.2 |
| Native Hawaiian & other Pacific Islander | 3 | 0.0 | 51 | 0.0 |
| Other/Multirace | 181 | 1.5 | 1,289 | 1.1 |
| Hispanic Origin | 230 | 2.0 | 1,769 | 1.5 |

Note: Hispanic is not a race category. A person can be white, black, etc. and be of hispanic origin.
Source: Applied Geographic Solutions, Semi Valley, CA

Population Projections

| | 2010 | | | |
|-------------------|---------|--------|--------|--------|
| Labor Market Area | 120,079 | | | |
| | 2010 | 2015 | 2020 | 2025 |
| Monroe County | 11,897 | 12,181 | 12,415 | 12,611 |

Source: Applied Geographic Solutions, Simi Valley, CA (Labor Market Area);
 Kentucky State Data Center, University of Louisville (Counties).

Personal Income

| | 1999 | 2004 | Pct. Change |
|-------------------------|---------------------|---------------------|-------------|
| Monroe County | \$17,348 | \$20,611 | 18.8% |
| Kentucky | \$22,763 | \$27,265 | 19.8% |
| U.S. | \$27,939 | \$33,050 | 18.3% |
| Labor Market Area Range | \$15,067 - \$20,997 | \$18,035 - \$23,404 | |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Households

| | 2005 | | 2005 |
|---------------|----------------------|-----------------------|-------------------------|
| | Number of Households | Persons Per Household | Median Household Income |
| Monroe County | 4,727 | 2.45 | \$24,035 |

Source: Applied Geographic Solutions, Simi Valley, CA

Tompkinsville, Kentucky

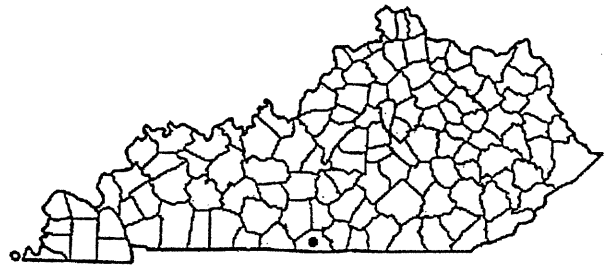
36.699508° -85.692005°﻿ (http://tools.wikimedia.de/~magnus/geo/geohack.php?params=36.699508_N_-85.692005_E_type:city_region:US)
 From Wikipedia, the free encyclopedia

Tompkinsville is a city in Monroe County, Kentucky, United States. The population was 2,660 at the 2000 census. It is the county seat of Monroe County^{GR6}. The town was named after Vice President Daniel D. Tompkins who served under President James Monroe, for whom the county was named after.

Geography

Tompkinsville is located at 36°41′58″N, 85°41′31″W﻿ (http://tools.wikimedia.de/~magnus/geo/geohack.php?params=36_41_58_N_85_41_31_W_city) (36.699508, -85.692005)^{GR1}.

According to the United States Census Bureau, the city has a total area of 9.9 km² (3.8 mi²). 9.5 km² (3.7 mi²) of it is land and 0.5 km² (0.2 mi²) of it (4.69%) is water.



Demographics

As of the census^{GR2} of 2000, there were 2,660 people, 1,169 households, and 702 families residing in the city. The population density was 280.6/km² (727.4/mi²). There were 1,321 housing units at an average density of 139.4/km² (361.2/mi²). The racial makeup of the city was 89.47% White, 8.95% African American, 0.04% Native American, 0.08% Pacific Islander, 0.53% from other races, and 0.94% from two or more races. Hispanic or Latino of any race were 1.09% of the population.

There were 1,169 households out of which 26.3% had children under the age of 18 living with them, 40.3% were married couples living together, 16.4% had a female householder with no husband present, and 39.9% were non-families. 37.8% of all households were made up of individuals and 18.4% had someone living alone who was 65 years of age or older. The average household size was 2.16 and the average family size was 2.84.

In the city the population was spread out with 21.9% under the age of 18, 8.5% from 18 to 24, 25.3% from 25 to 44, 21.9% from 45 to 64, and 22.4% who were 65 years of age or older. The median age was 41 years. For every 100 females there were 76.0 males. For every 100 females age 18 and over, there were 72.8 males.

The median income for a household in the city was \$18,267, and the median income for a family was \$23,361. Males had a median income of \$21,587 versus \$16,541 for females. The per capita income for the city was \$15,975. About 24.5% of families and 29.0% of the population were below the poverty line, including 35.8% of those under age 18 and 23.9% of those age 65 or over.

External links

- **Maps and aerial photos** (http://tools.wikimedia.de/~magnus/geo/geohack.php?params=36.699508_N_-85.692005_E_type:city_region:US)
 - Street map from Google Maps (http://maps.google.com/maps?ll=36.699508,-85.692005&spn=0.11,0.18), or Yahoo! Maps (http://maps.yahoo.com/maps_result?lat=36.699508&lon=-85.692005&mag=4), or Windows Live Local (http://local.live.com/default.aspx?cp=36.699508|-85.692005&style=r&lvl=13&v=1)
 - Satellite image from Google Maps (http://maps.google.com/maps?ll=36.699508,-85.692005&spn=0.11,0.18&t=h), Windows Live Local (http://local.live.com/default.aspx?cp=36.699508|-

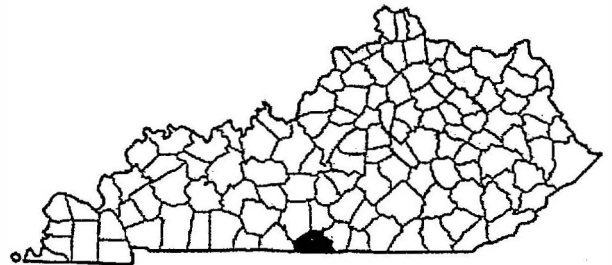
Monroe County, Kentucky

From Wikipedia, the free encyclopedia
(Redirected from Monroe County, KY)

Monroe County is a county located in the U.S. state of Kentucky. As of 2000, the population is 11,756. Its county seat is Tompkinsville⁶. The county is named for President James Monroe. It's a prohibition or dry county.

Contents

- 1 Geography
 - 1.1 Adjacent counties
- 2 Demographics
- 3 Cities and towns
- 4 See also
- 5 External link



Geography

According to the U.S. Census Bureau, the county has a total area of 860 km² (332 mi²). 857 km² (331 mi²) of it is land and 3 km² (1 mi²) of it (0.39%) is water.

Adjacent counties

- Barren County (northwest)
- Metcalfe County (northeast)
- Cumberland County (east)
- Clay County, Tennessee (southeast)
- Macon County, Tennessee (southwest)
- Allen County (west)

Demographics

As of the census² of 2000, there were 11,756 people, 4,741 households, and 3,380 families residing in the county. The population density was 14/km² (36/mi²). There were 5,288 housing units at an average density of 6/km² (16/mi²). The racial makeup of the county was 95.57% White, 2.76% Black or African American, 0.13% Native American, 0.01% Asian, 0.03% Pacific Islander, 0.93% from other races, and 0.59% from two or more races. 1.45% of the population were Hispanic or Latino of any race.

There were 4,741 households out of which 31.10% had children under the age of 18 living with them, 57.40% were married couples living together, 10.40% had a female householder with no husband present, and 28.70% were non-families. 26.30% of all households were made up of individuals and 12.60% had someone living alone who was 65 years of age or older. The average household size was 2.45 and the average family size was 2.94.

In the county the population was spread out with 23.90% under the age of 18, 8.90% from 18 to 24, 27.70% from 25 to 44, 24.30% from 45 to 64, and 15.30% who were 65 years of age or older. The

| Monroe County Population by year | |
|-------------------------------------|--------|
| 2000 | 11,756 |
| 1990 | 11,401 |
| 1980 | 12,353 |
| 1970 | 11,642 |
| 1960 | 11,799 |
| 1950 | 13,770 |
| 1940 | 14,070 |
| 1930 | 13,077 |
| 1920 | 14,214 |
| 1910 | 13,663 |
| 1900 | 13,053 |

median age was 38 years. For every 100 females there were 94.20 males. For every 100 females age 18 and over, there were 91.00 males.

The median income for a household in the county was \$22,356, and the median income for a family was \$27,112. Males had a median income of \$21,820 versus \$17,783 for females. The per capita income for the county was \$14,365. About 20.00% of families and 23.40% of the population were below the poverty line, including 27.60% of those under age 18 and 30.30% of those age 65 or over.

| | |
|------|--------|
| 1890 | 10,989 |
| 1880 | 10,741 |
| 1870 | 9,231 |
| 1860 | 8,551 |
| 1850 | 7,756 |
| 1840 | 6,526 |
| 1830 | 5,340 |

- President Abraham Lincoln's half third cousin, Thomas Lincoln (1780 -1844, lived in the Meshack Creek area of present day Monroe County and served two terms as constable of Cumberland County in 1802 and 1804. In 1810 he left Kentucky and migrated to Ohio and Indiana. In 1799 Thomas Lincoln married Patsy Gee from Meshack Creek. This Thomas Lincoln was not the father of President Abraham Lincoln.

Cities and towns

- Fountain Run
- Gamaliel
- Tompkinsville

See also

- Dry counties

External link

- The Kentucky Highlands Project (http://www.kentuckyhighlands.com/kh/counties/monroe_county.asp)

| | |
|---|---|
|  | Commonwealth of Kentucky |
| Capital | Frankfort |
| Regions | The Bluegrass Central Kentucky Cincinnati metropolitan area Cumberland Plateau Eastern Mountain Coal Fields The Knobs Louisville metropolitan area Northern Kentucky Pennyroyal Plateau The Purchase Western Coal Fields |
| Major cities | Ashland Bowling Green Covington Danville Elizabethtown Erlanger Florence Fort Thomas Frankfort Georgetown Glasgow Henderson Hopkinsville Independence Jeffersontown Lexington Louisville Madisonville Murray Newport Nicholasville Owensboro Paducah Radcliff Richmond Shively St. Matthews Winchester |
| Counties | Adair Allen Anderson Ballard Barren Bath Bell Boone Bourbon Boyd Boyle Bracken Breathitt Breckinridge Bullitt Butler Caldwell Calloway Campbell Carlisle Carroll Carter Casey Christian Clark Clay Clinton Crittenden Cumberland Daviess Edmonson Elliott Estill Fayette Fleming Floyd Franklin Fulton Gallatin Garrard Grant Graves Grayson Green Greenup Hancock Hardin Harlan Harrison Hart Henderson Henry Hickman Hopkins Jackson Jefferson Jessamine Johnson Kenton Knott Knox LaRue Laurel Lawrence Lee Leslie Letcher Lewis Lincoln Livingston Logan Lyon Madison Magoffin Marion Marshall Martin Mason McCracken McCreary McLean Meade Menifee Mercer Metcalfe Monroe Montgomery Morgan Muhlenberg Nelson Nicholas Ohio Oldham Owen Owsley Pendleton Perry Pike Powell Pulaski Robertson Rockcastle Rowan Russell Scott Shelby Simpson Spencer Taylor Todd Trigg Trimble Union Warren Washington Wayne Webster Whitley Wolfe Woodford |

Retrieved from "http://en.wikipedia.org/wiki/Monroe_County%2C_Kentucky"

Categories: Kentucky counties | Monroe County, Kentucky | Dry counties of Kentucky

■ This page was last modified 11:40, 7 August 2006.



U.S. Census Bureau

American FactFinder

FACT SHEET

Zip Code Tabulation Area 42167

View a Fact Sheet for a race, ethnic, or ancestry group

Census 2000 Demographic Profile Highlights:

General Characteristics - show more >>

| | Number | Percent | U.S. | | |
|--|--------|---------|-------|-----|-------|
| Total population | 8,710 | | | map | brief |
| Male | 4,212 | 48.4 | 49.1% | map | brief |
| Female | 4,498 | 51.6 | 50.9% | map | brief |
| Median age (years) | 38.5 | (X) | 35.3 | map | brief |
| Under 5 years | 530 | 6.1 | 6.8% | map | |
| 18 years and over | 6,658 | 76.4 | 74.3% | | |
| 65 years and over | 1,371 | 15.7 | 12.4% | map | brief |
| One race | 8,653 | 99.3 | 97.6% | | |
| White | 8,284 | 95.1 | 75.1% | map | brief |
| Black or African American | 295 | 3.4 | 12.3% | map | brief |
| American Indian and Alaska Native | 4 | 0.0 | 0.9% | map | brief |
| Asian | 1 | 0.0 | 3.6% | map | brief |
| Native Hawaiian and Other Pacific Islander | 3 | 0.0 | 0.1% | map | brief |
| Some other race | 66 | 0.8 | 5.5% | map | |
| Two or more races | 57 | 0.7 | 2.4% | map | brief |
| Hispanic or Latino (of any race) | 111 | 1.3 | 12.5% | map | brief |
| Household population | 8,579 | 98.5 | 97.2% | map | brief |
| Group quarters population | 131 | 1.5 | 2.8% | map | |
| Average household size | 2.44 | (X) | 2.59 | map | brief |
| Average family size | 2.91 | (X) | 3.14 | map | |
| Total housing units | 3,941 | | | map | |
| Occupied housing units | 3,522 | 89.4 | 91.0% | | brief |
| Owner-occupied housing units | 2,590 | 73.5 | 66.2% | map | |
| Renter-occupied housing units | 932 | 26.5 | 33.8% | map | brief |
| Vacant housing units | 419 | 10.6 | 9.0% | map | |

Social Characteristics - show more >>

| | Number | Percent | U.S. | | |
|---|--------|---------|-------|-----|-------|
| Population 25 years and over | 5,890 | | | | |
| High school graduate or higher | 3,267 | 55.5 | 80.4% | map | brief |
| Bachelor's degree or higher | 507 | 8.6 | 24.4% | map | |
| Civilian veterans (civilian population 18 years and over) | 524 | 7.8 | 12.7% | map | brief |
| Disability status (population 5 years and over) | 2,412 | 29.5 | 19.3% | map | brief |
| Foreign born | 86 | 1.0 | 11.1% | map | brief |
| Male, Now married, except separated (population 15 years and over) | 2,023 | 58.2 | 56.7% | | brief |
| Female, Now married, except separated (population 15 years and over) | 2,093 | 56.7 | 52.1% | | brief |
| Speak a language other than English at home (population 5 years and over) | 228 | 2.7 | 17.9% | map | brief |

Economic Characteristics - show more >>

| | Number | Percent | U.S. | | |
|--|--------|---------|--------|-----|-------|
| In labor force (population 16 years and over) | 3,974 | 56.4 | 63.9% | | brief |
| Mean travel time to work in minutes (workers 16 years and older) | 22.2 | (X) | 25.5 | map | brief |
| Median household income in 1999 (dollars) | 22,865 | (X) | 41,994 | map | |
| Median family income in 1999 (dollars) | 27,665 | (X) | 50,046 | map | |
| Per capita income in 1999 (dollars) | 14,977 | (X) | 21,587 | map | |
| Families below poverty level | 509 | 20.0 | 9.2% | map | brief |
| Individuals below poverty level | 2,029 | 23.5 | 12.4% | map | |


Housing Characteristics - show more >>

Number Percent U.S.

| | | | | | |
|--|--------|-----|---------|-----|-------|
| Single-family owner-occupied homes | 1,475 | | | | |
| Median value (dollars) | 62,600 | (X) | 119,600 | map | brief |
| Median of selected monthly owner costs | (X) | (X) | | | brief |
| With a mortgage (dollars) | 641 | (X) | 1,088 | map | |
| Not mortgaged (dollars) | 191 | (X) | 295 | | |

(X) Not applicable.

Source: U.S. Census Bureau, Summary File 1 (SF 1) and Summary File 3 (SF 3)

The letters PDF or symbol  indicate a document is in the Portable Document Format (PDF). To view the file you will need the Adobe® Acrobat® Reader, which is available for free from the Adobe web site.

U.S. Census Bureau

American FactFinder







TM-P069. Percent of Families Below the Poverty Level in 1999: 2000
Universe: Families
Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data
42167 5-Digit ZCTA, 421 3-Digit ZCTA by Census Tract

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see <http://factfinder.census.gov/home/en/data/notes/expsf3.htm>.





Legend

Data Classes

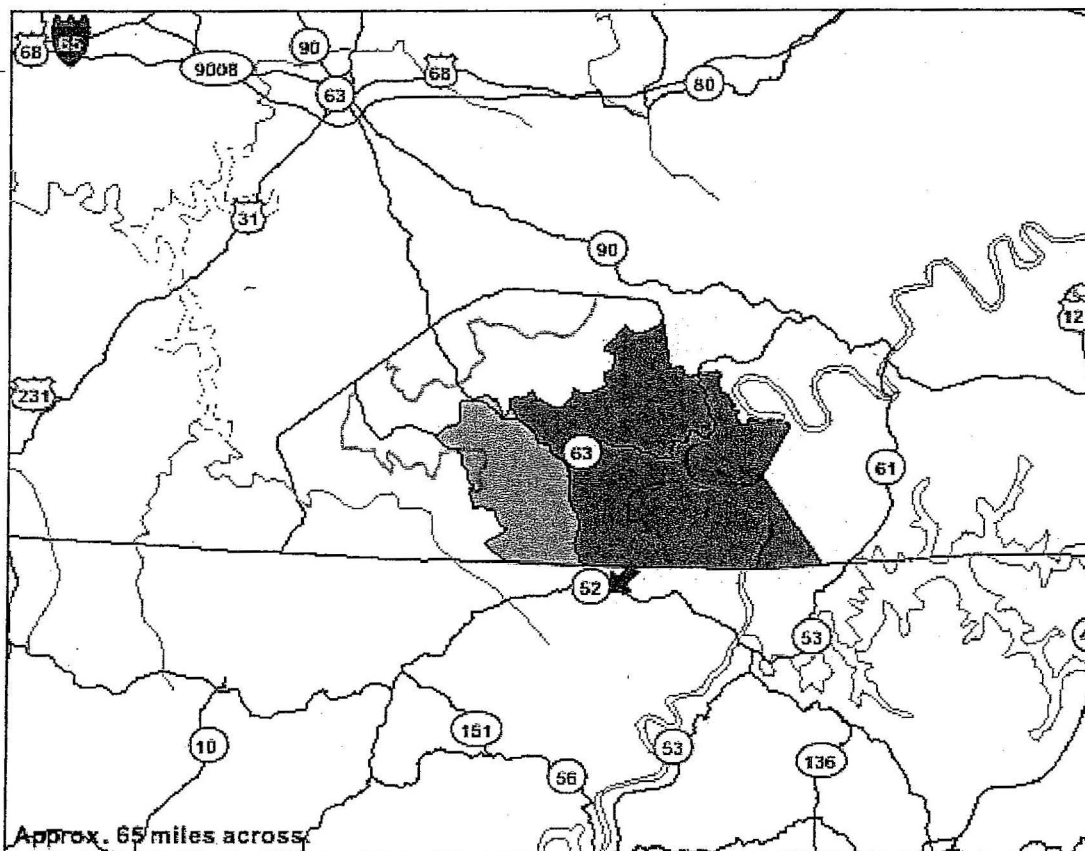
Percent

-  17.9 - 17.9
-  18.0 - 18.0
-  20.6 - 20.6
-  21.7 - 21.7

Features

-  Major Road
-  Street
-  Stream/Waterbody
-  Stream/Waterbody

Items in **text**
are not visible
at this zoom level



Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrix P90.

U.S. Census Bureau
American FactFinder



TM-P067. Percent of Persons Below the Poverty Level in 1999: 2000
 Universe: Total population
 Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data
 42167 5-Digit ZCTA, 421 3-Digit ZCTA by Census Tract

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see <http://factfinder.census.gov/home/en/datanotes/expsf3.htm>.

Legend

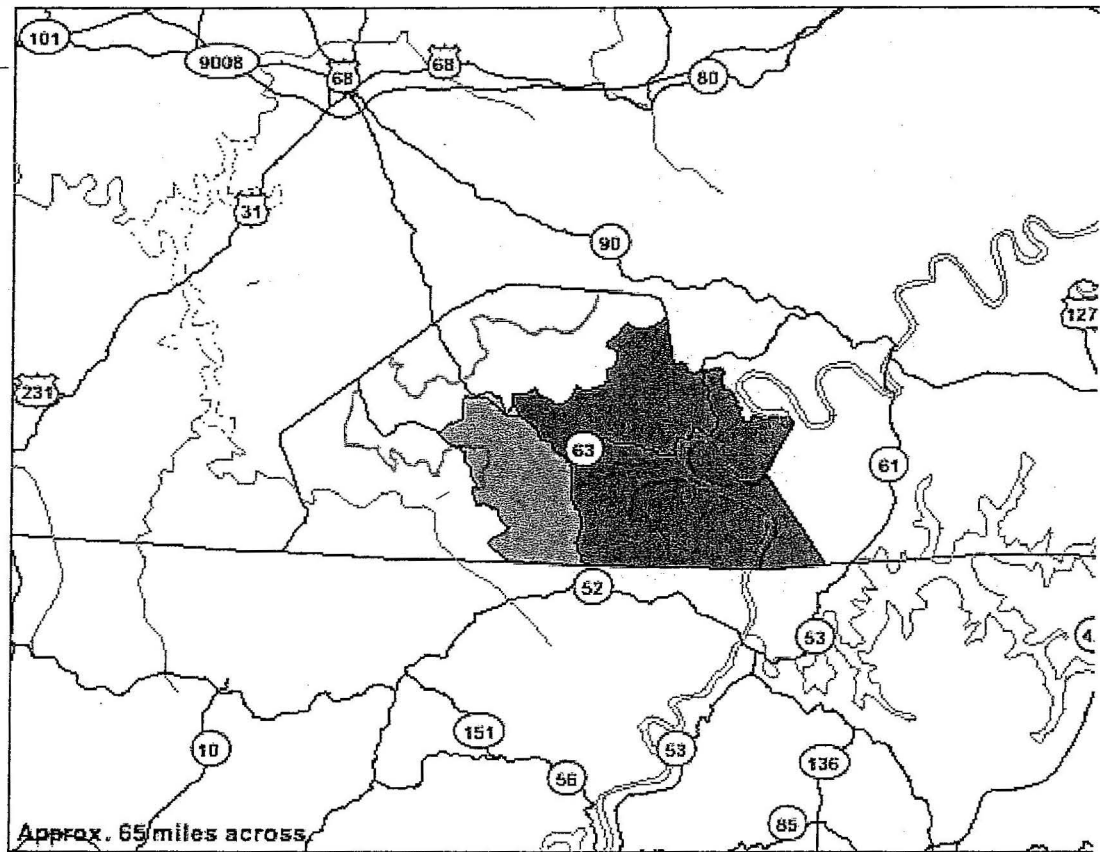
Data Classes

| Percent | |
|---------|-------------|
| | 20.9 - 20.9 |
| | 21.4 - 21.4 |
| | 24.6 - 24.6 |
| | 24.7 - 24.7 |

Features

- Major Road
- Street
- Stream/Waterbody
- Stream/Waterbody

Items in ~~the~~ text
 are not visible
 as this zoom level



Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrix P87.



U.S. Census Bureau
American FactFinder

DP-3. Profile of Selected Economic Characteristics: 2000
Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data
Geographic Area: **42167 5-Digit ZCTA**

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see <http://factfinder.census.gov/home/en/datanotes/expsf3.htm>.

| Subject | Number | Percent |
|---|--------------|--------------|
| EMPLOYMENT STATUS | | |
| Population 16 years and over | 7,044 | 100.0 |
| In labor force | 3,974 | 56.4 |
| Civilian labor force | 3,962 | 56.2 |
| Employed | 3,523 | 50.0 |
| Unemployed | 439 | 6.2 |
| Percent of civilian labor force | 11.1 | (X) |
| Armed Forces | 12 | 0.2 |
| Not in labor force | 3,070 | 43.6 |
| Females 16 years and over | | |
| Females 16 years and over | 3,657 | 100.0 |
| In labor force | 1,700 | 46.5 |
| Civilian labor force | 1,700 | 46.5 |
| Employed | 1,458 | 39.9 |
| Own children under 6 years | | |
| Own children under 6 years | 544 | 100.0 |
| All parents in family in labor force | 353 | 64.9 |
| COMMUTING TO WORK | | |
| Workers 16 years and over | 3,437 | 100.0 |
| Car, truck, or van – drove alone | 2,782 | 80.9 |
| Car, truck, or van – carpoled | 405 | 11.8 |
| Public transportation (including taxicab) | 9 | 0.3 |
| Walked | 99 | 2.9 |
| Other means | 28 | 0.8 |
| Worked at home | 114 | 3.3 |
| Mean travel time to work (minutes) | 22.2 | (X) |
| Employed civilian population 16 years and over | | |
| Employed civilian population 16 years and over | 3,523 | 100.0 |
| OCCUPATION | | |
| Management, professional, and related occupations | 853 | 24.2 |
| Service occupations | 437 | 12.4 |
| Sales and office occupations | 638 | 18.1 |
| Farming, fishing, and forestry occupations | 76 | 2.2 |
| Construction, extraction, and maintenance occupations | 449 | 12.7 |
| Production, transportation, and material moving occupations | 1,070 | 30.4 |
| INDUSTRY | | |
| Agriculture, forestry, fishing and hunting, and mining | 219 | 6.2 |
| Construction | 305 | 8.7 |
| Manufacturing | 1,060 | 30.1 |
| Wholesale trade | 43 | 1.2 |
| Retail trade | 321 | 9.1 |
| Transportation and warehousing, and utilities | 157 | 4.5 |
| Information | 18 | 0.5 |
| Finance, insurance, real estate, and rental and leasing | 123 | 3.5 |
| Professional, scientific, management, administrative, and waste management services | 89 | 2.5 |
| Educational, health and social services | 785 | 22.3 |

| Subject | Number | Percent |
|--|--------------|--------------|
| Arts, entertainment, recreation, accommodation and food services | 144 | 4.1 |
| Other services (except public administration) | 132 | 3.7 |
| Public administration | 127 | 3.6 |
| CLASS OF WORKER | | |
| Private wage and salary workers | 2,572 | 73.0 |
| Government workers | 557 | 15.8 |
| Self-employed workers in own not incorporated business | 365 | 10.4 |
| Unpaid family workers | 29 | 0.8 |
| INCOME IN 1999 | | |
| Households | 3,539 | 100.0 |
| Less than \$10,000 | 811 | 22.9 |
| \$10,000 to \$14,999 | 355 | 10.0 |
| \$15,000 to \$24,999 | 747 | 21.1 |
| \$25,000 to \$34,999 | 461 | 13.0 |
| \$35,000 to \$49,999 | 534 | 15.1 |
| \$50,000 to \$74,999 | 404 | 11.4 |
| \$75,000 to \$99,999 | 108 | 3.1 |
| \$100,000 to \$149,999 | 43 | 1.2 |
| \$150,000 to \$199,999 | 22 | 0.6 |
| \$200,000 or more | 54 | 1.5 |
| Median household income (dollars) | 22,865 | (X) |
| With earnings | | |
| Mean earnings (dollars) | 2,479 | 70.0 |
| With Social Security income | 33,743 | (X) |
| Mean Social Security income (dollars) | 1,285 | 36.3 |
| With Supplemental Security Income | 8,568 | (X) |
| Mean Supplemental Security Income (dollars) | 606 | 17.1 |
| With public assistance income | 5,077 | (X) |
| Mean public assistance income (dollars) | 182 | 5.1 |
| With retirement income | 1,890 | (X) |
| Mean retirement income (dollars) | 474 | 13.4 |
| Mean retirement income (dollars) | 24,655 | (X) |
| Families | | |
| Families | 2,542 | 100.0 |
| Less than \$10,000 | 369 | 14.5 |
| \$10,000 to \$14,999 | 214 | 8.4 |
| \$15,000 to \$24,999 | 579 | 22.8 |
| \$25,000 to \$34,999 | 382 | 15.0 |
| \$35,000 to \$49,999 | 455 | 17.9 |
| \$50,000 to \$74,999 | 363 | 14.3 |
| \$75,000 to \$99,999 | 102 | 4.0 |
| \$100,000 to \$149,999 | 30 | 1.2 |
| \$150,000 to \$199,999 | 14 | 0.6 |
| \$200,000 or more | 34 | 1.3 |
| Median family income (dollars) | 27,665 | (X) |
| Per capita income (dollars) | 14,977 | (X) |
| Median earnings (dollars): | | |
| Male full-time, year-round workers | 22,299 | (X) |
| Female full-time, year-round workers | 19,186 | (X) |
| POVERTY STATUS IN 1999 (below poverty level) | | |
| Families | 509 | (X) |
| Percent below poverty level | (X) | 20.0 |
| With related children under 18 years | 303 | (X) |
| Percent below poverty level | (X) | 24.6 |
| With related children under 5 years | 140 | (X) |
| Percent below poverty level | (X) | 29.3 |
| Families with female householder, no husband present | | |
| Families with female householder, no husband present | 192 | (X) |
| Percent below poverty level | (X) | 41.5 |

| Subject | Number | Percent |
|---|--------------|------------|
| With related children under 18 years | 150 | (X) |
| Percent below poverty level | (X) | 49.8 |
| With related children under 5 years | 69 | (X) |
| Percent below poverty level | (X) | 59.5 |
| Individuals | 2,029 | (X) |
| Percent below poverty level | (X) | 23.5 |
| 18 years and over | 1,456 | (X) |
| Percent below poverty level | (X) | 22.1 |
| 65 years and over | 411 | (X) |
| Percent below poverty level | (X) | 31.5 |
| Related children under 18 years | 563 | (X) |
| Percent below poverty level | (X) | 27.7 |
| Related children 5 to 17 years | 397 | (X) |
| Percent below poverty level | (X) | 25.9 |
| Unrelated individuals 15 years and over | 489 | (X) |
| Percent below poverty level | (X) | 40.8 |

(X) Not applicable.

[Detailed Occupation Code List \(PDF 42KB\)](#)

[Detailed Industry Code List \(PDF 44KB\)](#)

[User note on employment status data \(PDF 63KB\)](#)

Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrices P30, P32, P33, P43, P46, P49, P50, P51, P52, P53, P58, P62, P63, P64, P65, P67, P71, P72, P73, P74, P76, P77, P82, P87, P90, PCT47, PCT52, and PCT53

9. Indemnification of Floodplains and Wetlands

There are no FEMA issued flood plain maps for Tompkinsville or Monroe County, Kentucky. However, the Corps of Engineers has been consulted concerning 100 year flood stages of the Cumberland River at approximately Mile 394.

C. Existing Wastewater/Drinking Water System

1. General Description of Wastewater Collection & Treatment System

N/A

2. General Description of Wastewater Collection & Treatment System

N/A

3. Existing Drinking Water System

a. Description of Treatment and Distribution System

Treatment Facility:

The City of Tompkinsville owns and operates a conventional filtration water treatment facility. The processes utilized are:

- (1) Flash Mixing
- (2) Flocculation
- (3) Sedimentation
- (4) Filtration
- (5) Chlorination and other post-filtration chemicals.

The facility has been rated for 2.5 MGD based upon certain components of the facility, however approximately 1.9 MGD is approximately the maximum rate the operator chooses for the existing facility.

Distribution System: The Monroe County Water District currently consists of approximately 195 miles of 8-inch, 6-inch and 4-inch distribution lines, 7 water storage facilities, 7 pump stations and telemetry to serve approximately 3,145 customers.

The City of Tompkinsville serves approximately 1,400 customers through a network of 3-inch through 12-inch piping.

b. Water Demand: Average, Peak

Figure C.3.6. shown below provides information concerning water demand for the City of Tompkinsville and the Monroe County Water District. This information was provided by the most current monthly operating reports for the two systems.

Figure C.3.6.

| | City of Tompkinsville | Monroe County Water District | Total |
|--------------------------------|------------------------------|-------------------------------------|--------------|
| 2006 Average Demand (MGD)..... | 0.649 | 0.688..... | 1.337 |
| 2006 Peak Demand (MGD)..... | 0.750 | 1.044..... | 1.794 * |

* Exceeds 95% of the rate the operator elects to utilize.

c. Surface Water Source

The current source of water for the existing water treatment facility in Tompkinsville is a municipally owned lake that covers approximately 110 acres in normal pool and has a watershed of approximately 7.8 square miles. The safe yield of the watershed should be approximately 5.0 MGD, however the lake only has approximately 71 days of storage at this withdrawal rate.

The location of the intake is shown as Figure C.3.c. on the following page. The actual average withdrawal rate is 1.337 MGD based upon operating reports.

d. Groundwater Source

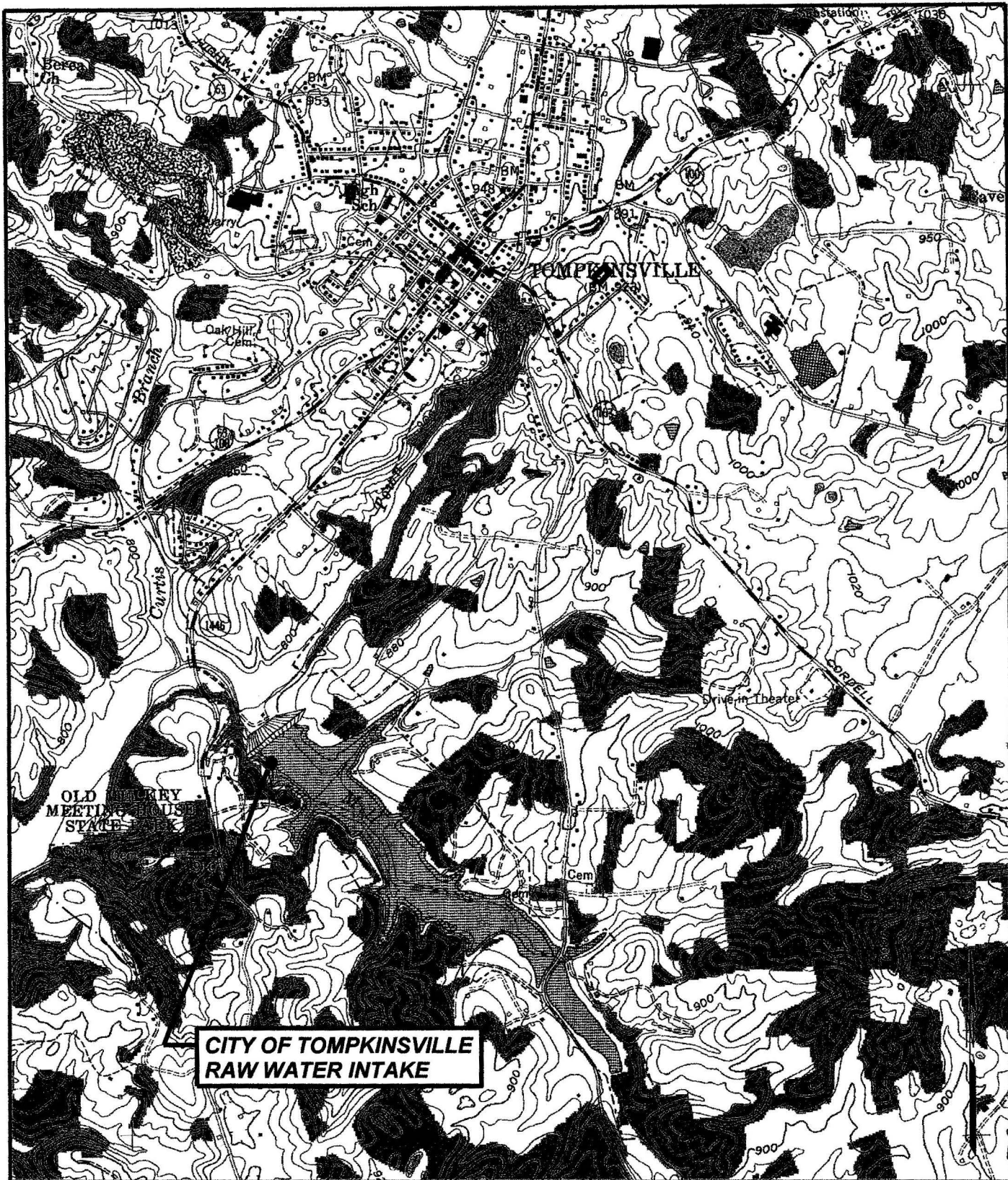
N/A

e. Water Storage Facilities

An inventory of the City of Tompkinsville's and the Monroe County Water District's storage facilities are as follows:

City of Tompkinsville:

1. 400,000 Gallon Belden Tank
2. 300,000 Gallon Baker Hill Tank
3. 250,000 Gallon Wal Mart Tank
4. 150,000 Gallon Ind. Site Tank



**CITY OF TOMPKINSVILLE
RAW WATER INTAKE**

TOMPKINSVILLE RAW WATER INTAKE LOCATION



**STIGALL
ENGINEERING
ASSOCIATES, INC.**

4117 HILLSBORO PIKE - SUITE 206
NASHVILLE, TENNESSEE 37215

TELEPHONE : (615) 460-7515
FACSIMILE : (615) 460-7517

2007 WATER SYSTEM IMPROVEMENTS
FOR
MONROE COUNTY WATER DISTRICT

PHASE IX

DATE

OCT 2007

SCALE

1" = 2000'

DRAWING NO.

FIG. C.3.c

Monroe County Water District:

1. 125,000 Gallon Flippen Tank located on R. Emmert Road
2. 20,700 Gallon Hwy.100 Tank located on Tooley Ridge Rd.
3. 100,000 Gallon Rockbridge Tank located on Hwy. 1520
4. 100,000 Gallon Celina Rd. Tank located on Hwy. 216
5. 125,000 Gallon Old Mulkey Rd. Tank located on Hwy1366
6. 240,000 Gallon Gamaliel Tank located in Gamaliel
7. 100,000 Gallon Gum Tree Tank located on Hwy. 870

f. Raw Water Characteristics

As provided by the monthly operating reports, the pertinent characteristics of the existing raw source are as follows:

g. Sludge and Backwash Disposal

The City of Tompkinsville's water treatment facility has experienced some problems association with the disposal of backwash sludge.

h. Service Area

Figure C.3.h. shows the service area of the City of Tompkinsville and the service area of the Monroe County Water District.

4. Existing System Performance

a. NPDES Violations

b. Safe Drinking Water Act Violations

c. Other System Problems

Pertinent correspondence from the Commonwealth of Kentucky concerning violations and other issues associated with the existing treatment facility are shown at the end of this report.

D. Need for Proposed Project

1. Expanded Description of Need Identified in Section A.1.

The Monroe County Water District has issued numerous water shortage advisories during the last two years. Also, the existing water treatment facility has received violations, as documented earlier in the report. The size of the existing lake requires that alternative water sources be developed to prevent future loss of service in excess of the problems experienced in the summer of 2007.

2. Land Use Projections

3. Population Forecast

Existing population data and population projection as provided by the Kentucky Cabinet for Economic Development as shown as Table D.3.

**Monroe County, Kentucky
Actual & Projected Population**

| <u>Year</u> | <u>Population</u> |
|-------------|-------------------|
| 2000 | 11,756 |
| 2005 | 11,946 |
| *2010 | 11,897 |
| *2020 | 12,415 |
| *2025 | 12,611 |

*Projected

4. Calculations and Assumptions for Forecasted Flow and Wasteload

The existing combined daily peak flow for the City of Tompkinsville and the Monroe County Water District is approximately 1.79 MGD. This is the beginning basis for future capacity calculations. The Kentucky Cabinet for Economic Development projects a modest increase in population of 5.6% for the twenty year period from 2005 - 2025. In addition, all areas of the County are not served by a public water system and we project an additional 10% demand once all areas are served.

Also, additional capacity of approximately 0.75 MGD is proposed to supply the interconnections to other Municipalities and Districts and to serve for future industry as the new Highway 163 project should stimulate growth for the County. Also, the water demand lost due to industries recently leaving the County may resurface depending upon future economic factors.

As such, we believe a 3.0 MGD facility would be a reasonable size for a treatment facility to serve the City, the Monroe County Water District and the other public water systems interested in an interconnection at this time.

5. Future Environment Without the Project

We believe it is reasonable to state that any significant requests for water service from residential sources, industrial entities, or interconnections with other public water systems would most likely have to be denied without this project. Also, the conditions that resulted in violations of the safe drinking water act will remain unless certain capital improvements are made.

E. ANALYSIS OF ALTERNATIVES

1. Development of Alternatives

a. No-Action

The no-action plan is not acceptable as the existing water treatment facility needs capital improvements in order to meet drinking water standards and to avoid loss of service due to lack of raw water supply.

b. Optimum Utilization of Existing Facility

i. Water Conservation

The Monroe County Water District has issued several water advisories for shortages of water in the past two years. Although these advisories help on a short term basis, it does not significantly alter the overall water consumption on a long range basis. In addition, any conservation of water efforts unfortunately has little effect on the quality issues experienced by the existing system.

c. New Construction Alternatives

The new construction alternatives are to be considered to serve the Monroe County Water District and the City of Tompkinsville. These are:

- Construction of a water treatment facility using the Cumberland River as the source of new water.
- Pipeline to the City of Glasgow for treated water.

A map showing both alternatives has been included at the back of this report as Figure E-1. The improvements shown in red are for the Glasgow pipeline and the improvements associated with a new treatment facility on the Cumberland River are shown in blue.

2. Alternative Screening

The alternatives considered to satisfy the needs of the project are present worth, reliability, complexity, environmental factors and feasibility.

a. Present Worth

A present worth analysis of alternatives was performed on each alternative using the following equation:

Present worth = A + B + D - C, where

| | | |
|---|----|------|
| O & M Annual Costs (include annual depreciation, but as a separate line): | \$ | (a) |
| Present Worth of O & M Annual Costs over a 20-year planning period | \$ | (A) |
| Future replacement | \$ | (b1) |
| | \$ | (b2) |
| | | . |
| Present Worth of Future Replacements Over a 20-year planning period | \$ | (bn) |
| | \$ | (B1) |
| | \$ | (B2) |
| | | . |
| | \$ | (Bn) |
| Sum of Present Worth of Future Replacements Over 20-year planning period | \$ | (B) |
| Salvage value at end of 20-year planning period | \$ | (c) |
| Present Worth of Salvage value at end of 20-year planning period | \$ | (C) |
| Capital cost of project at construction | \$ | (D) |

Interest Formula Utilized:
Uniform Series Present Worth Factor:

$$\frac{(1 + I)^n - 1}{i (1 + I)^n}, \text{ where } n = \text{number of periods (years)}$$

i = interest rate (4%)

The following pages show the estimated project costs for both alternatives and the present worth calculation of each alternative.

Estimated Cost of Alternatives:

I. Pipeline to Glasgow

| | |
|--|----------------------|
| 16-inch ductile iron piping; 133,000 l.f. @ \$70.00/l.f..... | \$ 9,310,000 |
| 12-inch PVC piping; 37,000 l.f. @ \$35.00/l.f. | \$ 1,295,000 |
| 8-inch PVC piping; 43,400 l.f. @ \$20.00/l.f. | \$ 868,000 |
| 750,000 Gallon elevated storage facility | \$ 1,000,000 |
| 250,000 Gallon elevated storage facility | \$ 350,000 |
| Pumping stations between Glasgow and Monroe County | \$ 400,000 |
| Metering facility | \$ 120,000 |
| Telemetry and controls | \$ 80,000 |
| River crossings, road bores, stream bores | \$ 850,000 |
| Total estimated construction cost | \$ 14,273,000 |
| Total estimated project budget (additional 17%) | \$ 16,699,400 |

II. MGD Water Treatment Facility

| | |
|--|----------------------|
| 3.0 MGD Water treatment facility; lump sum..... | \$ 7,200,000 |
| Raw water intake. | \$ 1,500,000 |
| 16-inch ductile iron piping; 32,000 l.f. @ \$70.00/l.f..... | \$ 2,240,000 |
| 12-inch PVC piping; 23,400 l.f. @ \$35.00/l.f. | \$ 819,000 |
| 8-inch PVC piping; 43,400 l.f @ \$20.00/l.f. | \$ 868,000 |
| 750,000 Gallon elevated storage facility | \$ 1,000,000 |
| 250,000 Gallon elevated storage facility | \$ 350,000 |
| Pumping station | \$ 90,000 |
| Telemetry and Controls | \$ 60,000 |
| Total estimated construction cost | \$ 14,127,000 |
| Total estimated project budget (additional 17%) | \$ 16,500,000 |

b. Reliability

Both alternatives considered should be very reliable at the present. However, the Cumberland River option is believed to be significantly more desirable looking 20 – 30 years ahead as the Glasgow area may grow to the point where they could not supply future peak demands to Monroe County in amount of 2 – 3 MGD additional 2.0 MGD or so, while the capacity of Cumberland River far exceeds the capacity of Glasgow's existing impoundment. The new treatment alternative does bring additional supply to the region while the pipeline alternative depends upon existing impoundments.

An investment of this size of the required pipeline would lock the Monroe County Water District into a contract with Glasgow for a very long time in order to justify the expense, while the impoundment has its limitations.

c. Complexity

None of the alternatives are considered to be overly complex. The new facility option is considered to be somewhat more complicated to operate and maintain as compared to operation of a pipeline. However, both are considered to be good alternatives considering the size of the projects.

d. Environmental Factors

The alternative of a new facility was subjected to Clearinghouse comments from various State and Federal agencies. No agency responded with significant environmental issues. The pipeline alternative has not been subjected to Clearinghouse comments, but we would not anticipate significant environmental issues with the exception of the crossing of Falling Timber Creek, Skaggs Creek and other streams along the route. These streams could be directionally bored to minimize impacts at a higher price.

e. Feasibility

The pipeline to Glasgow would take a relatively long time to negotiate easements particularly out of Monroe County. The treatment facility option has many fewer impacted property owners but has more permitting requirements from the Kentucky Division of Water and Corps of Engineers.

3. Identification of the Selected Alternative

A matrix was created in an effort to evaluate the alternatives based upon the following five categories:

- Present worth costs
- Reliability
- Complexity
- Environmental factors
- Feasibility

Weights for the five factors have been assigned as well as a numeral rating system having a range of 1 – 10 assigned to each category. One is the poor or undesirable while 10 is excellent or very favorable. The matrix is shown on the following page.

Alternative Selection Matrix

| <u>Parameter</u> | <u>Conventional 3.0 MGD Facility Cumberland River Source</u> | <u>Pipeline to Glasgow</u> |
|--|--|--------------------------------|
| Present worth costs: (9 Points) Score | 5 45 | 4 36 |
| Reliability: (10 Points) Score | 9 90 | 6 60 |
| Complexity: (6 Points) Score | 7 42 | 9 54 |
| Environmental Factors: (10 Points) Score | 7 70 | 6 60 |
| Feasibility: (9 Points) Score | 7 63 | 7 63 |
| TOTAL SCORE | 310 | 273 |

**Present Worth Calculation of Alternatives
(Use 4% Interest Rate)**

| | New Treatment Facility 3.0 MGD Cumberland River Source | Pipeline to Glasgow |
|--------------------------------------|---|------------------------|
| A. Annual O&M Costs: | | |
| O&M (Based upon 1.0 MGD Initially) | \$ 328,500 | \$ 423,250 |
| Depreciation: | \$ 380,000 | \$ 390,425 |
| Total | \$ 708,500 | \$ 813,675 |
| B. Annual Replacement Costs | \$ 35,000 | \$ 10,000 |
| C. Salvage Value at End of 20 Years | \$ 7,600,000 | \$ 7,808,500 |
| D. Capital Cost of Project | \$ 15,200,000 | \$ 15,617,000 |
| Present Worth of O&M | \$ 9,628,746 | \$ 11,058,109 |
| Present Worth of Future Replacements | \$ 475,661 | \$ 135,903 |
| Present Worth Calculations | \$ 17,704,408 | \$ 19,002,512 |

Note: O&M for new facility includes \$0.90/1,000 gallons estimated production costs

Note: O&M for pipeline includes paying \$1.50/per 1,000 gallons and \$40,000 per year in electrical.

F. ENVIRONMENTAL CONSEQUENCES & MITIGATIVE MEASURES FOR SELECTED ALTERNATIVE

1. Direct

No agency contacted during the clearinghouse process had significant comments or mentioned direct adverse consequences the proposed project will have. The Kentucky Historic Commission is requiring studies for the sites to be acquired in fee simple deed. These studies are scheduled to be completed in the spring of 2008 and the Kentucky Historical Commission would likely be allowed to comment further once they receive the referenced studies.

2. Secondary Impacts of Future Growth & Development

The project is primarily designed to provide the County with a long term solution to the existing problem of an inadequate supply of raw water. It is anticipated that some future growth will occur in the county but this growth is considered to be "normal" growth and the project is not proposed to serve a new significant user or new development at this time.

3. Mitigation

Any recommendations which may be issued by the Kentucky Historical Commission will be incorporated into the project to avoid disturbance to significant sites, if desired so by the Commission. In addition, the project will be governed by a storm water pollution prevention plan which delineates actions the contractor(s) must take to minimize migration of disturbed soils into near by streams and rivers.

4. Cross Cutting Environmental Sources Consulted

The project was submitted to the Kentucky Infrastructure Authority's e-clearinghouse site in 2007. The following agencies and their responses are as follows:



ERNE FLETCHER
GOVERNOR

GOVERNOR'S OFFICE FOR LOCAL DEVELOPMENT
OFFICE OF THE GOVERNOR
1024 CAPITAL CENTER DRIVE, SUITE 340
FRANKFORT, KENTUCKY 40601-8204
PHONE (502) 573-2382 FAX (502) 573-2939
TOLL FREE (800) 346-5606
www.kentucky.gov

September 25, 2007

Mr. Robert Stigall
Stigall Engineering Associates, Inc.
4117 Hillsboro Pike
Nashville, TN 37215

RE: MONROE-TOMPKINSVILLE REGIONAL WATER TREATMENT PLANT
WX21171027
SAI#KY20070814-1135

Dear Mr. Stigall:

The Kentucky State Clearinghouse, which has been officially designated as the Commonwealth's Single Point of Contact (SPOC) pursuant to Presidential Executive Order 12372, has completed its evaluation of your proposal. The clearinghouse review of this proposal indicates there are no identifiable conflicts with any state or local plan, goal, or objective. Therefore, the State Clearinghouse recommends this project be approved for assistance by the cognizant federal agency.

Although the primary function of the State Single Point of Contact is to coordinate the state and local evaluation of your proposal, the Kentucky State Clearinghouse also utilizes this process to apprise the applicant of statutory and regulatory requirements or other types of information which could prove to be useful in the event the project is approved for assistance. Information of this nature, if any, concerning this particular proposal will be attached to this correspondence.

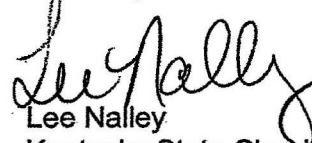
You should now continue with the application process prescribed by the appropriate funding agency. This process may include a detailed review by state agencies that have authority over specific types of projects.

This letter signifies only that the project has been processed through the State Single Point of Contact. It is neither a commitment of funds from this agency or any other state or federal agency.

The results of this review are valid for one year from the date of this letter.
Continuation or renewal applications must be submitted to the State Clearinghouse annually.
An application not submitted to the funding agency, or not approved within one year after
completion of this review, must be re-submitted to receive a valid intergovernmental review.

If you have any questions regarding this letter, please feel free to contact my office at
502-573-2382.

Sincerely,



Lee Nalley
Kentucky State Clearinghouse

Attachments

Cc: Barren River ADD
KIA

The Natural Resources has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Project personnel need to contact the Water Withdrawal Permitting Program with the KY Division of Water for water availability and water withdrawal permitting application for the proposed new intake location in the Cumberland River. A Source Water Protection plan will need to be developed for the proposed new withdrawal area.

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water treatment plant construction. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY200708141135) when submitting plans and specifications.

This project is consistent with the Monroe County Water Management Plan. It is approved for water management planning. It is approved for water withdrawal by the Water Quantity Management Section of DOW. From the application data, DOW ascertains that a stream construction permit application will need to be submitted to our office for further review of this project.

The need for a more abundant source and a higher quality of raw water has started the process of going to the Cumberland River that lies only 7 miles from the city and the major distribution point for the water district. Edmonton Water Works, Cumberland County Water District and Fountain Run Water District have all sent letters of commitment to purchase portions of their water from the new treatment plant. The 37 year old plant in Tompkinsville will not be able to meet the demand within 5 years. Completion of this project will provide improved water service to 4,600 households, 71 commercial entities, and 44 miscellaneous entities (schools, churches, etc.) as well as provide new water service to 500 households. The 12 month average for their capacity is 58% and their current filter capacity average is 64%. The new demand will increase both design capacity and filter capacity by 5% this will leave them at less than 70% on there design capacity and at less than 75% on there filter capacity. There are no objections to the proposed new water treatment plant. However, a preliminary engineering report must be submitted for review and approval prior to the submittal of the final engineering plans and specifications for the water treatment plant expansion. Final plans and specifications must be submitted to the Division of Water's Drinking Water Branch by a registered professional engineer in Kentucky for review, and receive a written approval prior to the beginning of the construction. It is also strongly suggested that the consulting engineers meet with the Drinking Water Branch prior to the submittal of the final plans and specifications for this project.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Transportation has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Moore (D3), Jeff:

The Kentucky Department of Highways is responsible for controlling both public and private usage of right-of-way of the State road system. Any firm, individual, or governmental agency desiring access to a State road or desiring to perform any type of work (including signage) on State right-of-way must obtain a permit from the Department.

Any proposed access or encroachment of a State maintained road should be coordinated at the earliest possible stage with:

Allen Cox, Permits Engineer
Kentucky Department of Highways
900 Morgantown Road
P. O. Box 599
Bowling Green, Kentucky 42102
Telephone (270) 746-7898
Fax (270) 746-7643

Wilson, Jimmy:
The Division of Planning has no comments.

The Office of State Budget Director has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Endorsed by Vicki Goins

The Health and Family Services has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

This project does not directly impact CHFS.

The Kentucky Housing Corporation has made the following advisory comment pertaining to State Application Identifier Number KY200708141135
no comments

The Heritage Council has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

The applicant must ensure compliance with the Advisory Council on Historic Preservation's Rules and Regulations for the Protection of Historic and Cultural Properties (36CRF, Part 800) pursuant to the National Historic Preservation Act of 1966, the National Environmental Policy Act of 1969, and Executive Order 11593.

An archaeological survey is needed for all segments of the water transmission line outside of highway right-of-ways and any expansion areas for the water treatment plant. The archaeological report must be submitted to the Kentucky Heritage Council for review and approval.

The Housing, Building, Construction has made the following advisory comment pertaining to State Application Identifier Number KY200708141135
no comments

The Fish & Wildlife has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Based on the information provided, the Kentucky Department of Fish & Wildlife Resources has no comments concerning the proposed project.

The Labor Cabinet has made the following advisory comment pertaining to State Application Identifier Number KY200708141135

Prevailing Wage Rates are applicable please contact the Kentucky Department of Labor at 502-564-3070 to obtain the proper rates



ERNIE FLETCHER
GOVERNOR

GOVERNOR'S OFFICE FOR LOCAL DEVELOPMENT
OFFICE OF THE GOVERNOR

1024 CAPITAL CENTER DRIVE, SUITE 340
FRANKFORT, KENTUCKY 40601-8204
PHONE (502) 573-2382 FAX (502) 573-2939
TOLL FREE (800) 346-5606
www.kentucky.gov

August 27, 2007

Mr. Robert Stigall
Stigall Engineering Associates, Inc.
4117 Hillsboro Pike
Nashville, TN 37215

**RE: MONROE COUNTY WATER DISTRICT-MONROE COUNTY WATER
TREATMENT PLANT
WX21171028
SAI# KY20070803-1112**

Dear Mr. Stigall:

The Kentucky State Clearinghouse, which has been officially designated as the Commonwealth's Single Point of Contact (SPOC) pursuant to Presidential Executive Order 12372, has completed its evaluation of your proposal. The clearinghouse review of this proposal indicates there are no identifiable conflicts with any state or local plan, goal, or objective. Therefore, the State Clearinghouse recommends this project be approved for assistance by the cognizant federal agency.

Although the primary function of the State Single Point of Contact is to coordinate the state and local evaluation of your proposal, the Kentucky State Clearinghouse also utilizes this process to apprise the applicant of statutory and regulatory requirements or other types of information which could prove to be useful in the event the project is approved for assistance. Information of this nature, if any, concerning this particular proposal will be attached to this correspondence.

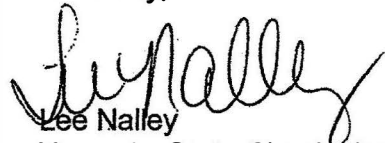
You should now continue with the application process prescribed by the appropriate funding agency. This process may include a detailed review by state agencies that have authority over specific types of projects.

This letter signifies only that the project has been processed through the State Single Point of Contact. It is neither a commitment of funds from this agency or any other state or federal agency.

The results of this review are valid for one year from the date of this letter.
Continuation or renewal applications must be submitted to the State Clearinghouse annually.
An application not submitted to the funding agency, or not approved within one year after
completion of this review, must be re-submitted to receive a valid intergovernmental review.

If you have any questions regarding this letter, please feel free to contact my office at
502-573-2382.

Sincerely,



Lee Nalley
Kentucky State Clearinghouse

Attachments

Cc: Barren River ADD
KIA

The Kentucky Housing Corporation has made the following advisory comment pertaining to State Application Identifier Number KY200708031112
no comments

The Barren River ADD has made the following advisory comment pertaining to State Application Identifier Number KY200708031112
no comments

The Labor Cabinet has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Prevailing Wage Rates are applicable please contact the Kentucky Department of Labor at 502-564-3070 to obtain the proper rates

The Housing, Building, Construction has made the following advisory comment pertaining to State Application Identifier Number KY200708031112
no comment

The Transportation has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Moore (D3), Jeff:

The Kentucky Department of Highways is responsible for controlling both public and private usage of right-of-way of the State road system. Any firm, individual, or governmental agency desiring access to a State road or desiring to perform any type of work (including signage) on State right-of-way must obtain a permit from the Department.

Any proposed access or encroachment of a State maintained road should be coordinated at the earliest possible stage with:

Allen Cox, Permits Engineer
Kentucky Department of Highways
900 Morgantown Road
P. O. Box 599
Bowling Green, Kentucky 42102
Telephone (270) 746-7898
Fax (270) 746-7643

Wilson, Jimmy: The Division of Planning has no comments.

The Fish & Wildlife has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Based on the information provided, the Kentucky Department of Fish & Wildlife Resources has no comments concerning the proposed project.

The Natural Resources has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water treatment. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY200708031112) when submitting plans and specifications.

This project is consistent with the Monroe County Water Management Plan. It is approved for water management planning. It is approved for water withdrawal by the Water Quantity Management Section of DOW. From the application data, DOW ascertains that a stream construction permit application will need to be submitted to our office for further review of this project.

This project is for completion of preliminary engineering. The project narrative should have contained more details such as whether it is a treatment plant or distribution system upgrade or both. Also it should have explained briefly why this project is proposed. A comprehensive preliminary engineering report shall be submitted for review and approval by a registered professional engineer in Kentucky prior to the submittal of the final plans and specifications for the construction. Also the preliminary engineering report shall consist of raw water sampling results if a new source water is proposed. See the Drinking Water website for sampling requirements. It is strongly suggested that consulting engineers contact the Drinking Water Branch Supervisor for additional requirements prior to the submittal of the preliminary engineering report.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Heritage Council has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

The project will have no effect on any property listed in or eligible for listing in the National Register of Historic Places. Further, an archaeological survey will not be necessary. Therefore, we have no objection to the project.

The Office of State Budget Director has made the following advisory comment pertaining to State Application Identifier Number KY200708031112

Endorsed by Vicki Goins.

5. Necessary Permits

The Monroe County Water District has applied to the Commonwealth of Kentucky for a 5.0 MGD water withdrawal permit. The review of this application is pending review and approval from the Corps of Engineers which is in process. The District will also need to request a NPDES permit from the Commonwealth to discharge backwash water generated at the facility.

6. Necessary Intermunicipal Agreements

The water district's attorney is currently working on draft agreements with the City of Edmonton and Fountain Run. However, it is not anticipated that the agreements will be finalized until 2008.

**Kentucky Division of Water
Correspondence**

BICKFORD
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
COLUMBIA REGIONAL OFFICE
102 BURKESVILLE ST
COLUMBIA, KY 42728-1408

March 6, 1998

Honorable Windell Carter
Mayor, City of Tompkinsville
206 North Magnolia Street
Tompkinsville, Kentucky 42167

RE: Tompkinsville Water Works
KPDES No. KYG640062 and PWSID No. 0860426
Monroe County


Dear Mayor Carter:

Please find enclosed your copy of a Compliance Evaluation Inspection and Sanitary Survey conducted by James Woody of the Kentucky Division of Water on February 12, 1998. At the time of inspection your facility received a rating of Marginal for the Sanitary Survey and Satisfactory for the Compliance Evaluation Inspection. The following items were noted that need your attention:

1. Numerous items observed in poor state of repair (intakes and pumps rusty and leaky, rapid mix out of service, leaky wall in sedimentation basin, etc.). These items should be addressed in new plant expansion.

These deficiencies need immediate attention in order to improve this facility's operation and compliance with applicable Division of Water Regulations. A written response should be submitted to the Columbia Regional Office by March 23, 1998 addressing anticipated schedule for upgrade activities to begin.

Should you have any questions please feel free to contact this office.

Sincerely

Sara Gold Sproles
Environmental Control Supervisor
Division of Water
Phone: (502) 384-4734

SGS/bjb
c: Frankfort Central Office files
Columbia Regional Office files



LETTER OF AGREEMENT AND COMPLIANCE SCHEDULE

Tompkinsville Water Works
Mayor Windell Carter
206 N. Magnolia Street
Tompkinsville, Kentucky 42167
March 19, 2003

During facility inspections and record reviews of the above mentioned facility numerous concerns and violations were noted. In response to these investigations a regional office conference was held at the Columbia Regional Office on March 19, 2003. The purpose of this conference was to discuss with Mayor Windell Carter and/or his representatives the corrective actions needed to bring this site back into compliance with the applicable regulations. As a result of the conference, this Letter of Agreement and Compliance Schedule was prepared.

Representatives of Tompkinsville Water Works understand by their signatures on this document that they agree to perform each of the remedial measures listed below by the date specified at the end of each measure. It is further understood that failure to comply with this schedule could result in an immediate referral to our Enforcement Branch which could result in fines and penalties.

The remedial actions to be taken are as follows:

Treatment Plant

1. Daily Operating Logs: As part of the Operation and Maintenance (O & M) manual for facilities a daily log shall be maintained which includes the following information, at a minimum:
 - Operators on duty
 - Complaints received, nature of complaint, adjustment made or other action taken by the system
 - Unusual conditions
 - Routine operational duties performed
 - Laboratory records, including data summaries which document the date, place and time of sampling, the name of the person who collected the samples, whether the sample is a routine distribution, check sample, or other special purpose sample, the date of analysis, the person responsible for performing the analysis, the analytical technique or method used, and the results of the analysis.
2. Calibration of turbidity meters and maintaining Logs for turbidity meters-Turbidity meters must be calibrated as recommended by the manufacturers recommendation. Turbidimeters should be thoroughly cleaned and calibrated with primary standards at least **quarterly**. Logs regarding the calibration of meters should be maintained with specific information including the date, the time and the individual who performed the calibration.
3. Emergency Reports- When a public water system experiences a line break, loss of pressure, loss of disinfection, or other event which may result in contamination of the water, the public water system shall immediately notify the appropriate field office of the Division of Water. If the pressure drops below twenty (20) pounds per square inch or a

LETTER OF AGREEMENT AND COMPLIANCE SCHEDULE

Tompkinsville Water Works

March 19, 2003

Page Two

break or rupture occurs requiring more than eight (8) hours to repair, the Cabinet must be notified. Notifications can be made to the Columbia Regional Office at 270-384-4734. If a report must be made during other than normal business hours, it shall be through the twenty-four (24) hour environmental emergency telephone number at 520-564-2380.

4. Certified operators are responsible to report true, accurate, and complete information as required in the monthly report. There are significant penalties for submitting false information to the Cabinet.
5. Certified Operators- Operational procedures shall be conducted by a certified water treatment operator who holds a valid certificate who is in direct responsible charge of the plant and is physically located on the premises of the water treatment plant when water is being treated or is otherwise performing system-related duties.
6. Reports of Failure to Comply-Public water systems shall report to the Cabinet, within forty-eight (48) hours, by phone or in writing, the failure to comply with any provision of 401 KAR 8:010 through 401 KAR 8:700, including the failure to comply with monitoring requirements.
7. Operation and Maintenance Manual (O & M)-Each public water system shall develop and keep on the premises, for operators and employees of the system, an O & M Manual that includes a detailed design of the system, daily operating procedures, a schedule of testing procedures for the operation of the facility, including storage and inventory requirements for materials and supplies used by the facility. The O & M Manual shall be updated as necessary and no less than annually.
8. Filtration-The turbidity level of representative samples of the system's filtered water shall be less than or equal to five-tenths (0.5) NTU in at least 95 % of the measurements taken each month. The filtered water shall not exceed five (5) NTU.
9. Housekeeping must be provided on a regular basis. Disposal of cigarettes on the floor is unacceptable. Water treatment plants are a direct connection to public health, and the plant must be maintained to reflect this awareness.
10. The operators at the plant must be provided with the equipment necessary to react to changing raw water conditions, as well as process control. It's obvious from records and talking with the operators that coagulation control is a problem not being addressed. Settled water turbidities are elevated when raw water turbidities rise even minimally. To address this deficiency, Jar stirring equipment and appropriate dosing devices will need to be purchased and personnel trained in their use.

LETTER OF AGREEMENT AND COMPLIANCE SCHEDULE

Tompkinsville Water Works

March 19, 2003

Page Three

Distribution System

1. Cross Connection Control Program-There shall be no connection between the distribution system and any other pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system. Each water system shall have a program to detect and eliminate cross-connections.
2. Boil Water Advisories and Notices-Public water systems may issue Advisories if the system believes it is warranted. The Division of Water may, when it determines circumstances warrant, issue a boil water notice or advisory directly, rather than rely on a public water system.
3. **Boil Water Notices or Advisories remain in effect until the cabinet determines or approves the notice or advisory may be lifted.**
4. Records-Public water systems shall maintain a log of all breaks or ruptures, which includes the date and location of the break or rupture, the time it was discovered, the population affected, the length of time required to repair the break or rupture, the date and time disinfection residuals are detected and the date and time bacteriological samples are taken. The log shall be available for inspection by the cabinet.
5. Public water systems are required to check free chlorine residuals daily at representative points throughout the system. It is strongly recommended that total chlorine readings also be taken at the same time and location as the free chlorine readings. These residuals are reported monthly on the Operating report.
6. TTHM Monitoring-Community water systems serving 10,000 or more persons that add a disinfectant as part of its treatment process shall monitor for trihalomethanes on a quarterly basis. The seller of water is responsible for the monitoring. Sampling shall be performed at a point in the buyer's distribution system that reflects the longest period of retention.
7. Routine monitoring for total coliform bacteria: A public water system shall collect total coliform samples at sites which are representative of water throughout the distribution system according to a written sample siting plan. The sample results from total coliform bacteria monitoring shall be maintained by the public water system. Bacteriological analysis records shall be kept at the facility at least five (5) years.

Wastewater

1. Wastewater Reporting-Whenever by reason of emergency or accident a spill or discharge occurs from a sewage system or from a container or pipeline used to transport or store substances which would result in or contribute to the pollution of the waters, the person in charge of such activity shall **immediately** notify the Division of Water by the most rapid means. The point of discharge, the nature of material discharged, the quantity of

LETTER OF AGREEMENT AND COMPLIANCE SCHEDULE

Tompkinsville Water Works

March 19, 2003

Page Three

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LETTER OF AGREEMENT AND COMPLIANCE SCHEDULE
Tompkinsville Water Works
March 19, 2003
Page Four

material discharged and an assessment of probable environmental impact must be reported.

- 2. Solids Disposal-It is the responsibility of the facility to ensure solids collected in the backwash lagoons are properly disposed. Records must be maintained. The city must determine if the backwash lagoons are improperly sized.

Tompkinsville Water Works shall submit a written response to the Columbia Regional Office outlining the corrective measures to be taken to ensure compliance with the applicable Division of Water regulations. This response should be submitted to the Columbia Regional Office by **April 15, 2003.**

The owner or legal representative understands and agrees, as evidence of his signature on this document, that failure to complete the remedial actions herein prescribed will constitute violations of Kentucky Water Quality Regulations and KRS 224, and shall be subject to any administrative or legal actions deemed necessary by the Cabinet to remedy outstanding non-compliances issued by the Division of Water before or after execution of this Letter of Agreement and Compliance Schedule.

Windell Carter
Owner/or Legal Representative

3-19-2003
Date

Denny Reynolds
Division of Water Representative, Title

3/19/03
Date

Having reviewed this Letter of Agreement and Compliance Schedule, I recommend compliance with its terms be accepted by the Division of Water as settlement of violations previously described.

Signature: Jess Sproles
Title: Supervisor
Date: 3/19/03



COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
COLUMBIA REGIONAL OFFICE
102 BURKESVILLE ST
COLUMBIA, KY 42728-1408

REGIONAL OFFICE MEETING ATTENDANCE

Tompkinsville Water Works
Mayor Windell Carter
206 N. Magnolia Street
Tompkinsville, Kentucky 42167
March 19, 2003

| NAME | REPRESENTING/ADDRESS |
|-----------------------|------------------------------|
| <i>Jana Sproles</i> | <i>DOW, Columbia RO</i> |
| <i>Wanny Reynolds</i> | <i>DOW Columbia RO</i> |
| <i>Tom Baker</i> | <i>City of Tompkinsville</i> |
| <i>John C. Harlan</i> | <i>City of Tompkinsville</i> |
| <i>Windell Carter</i> | <i>11 11 11</i> |
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NOTICE OF VIOLATION

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
Drinking Water Branch
14 Reilly Road
Frankfort, KY 40601

John Harlan, Operator
206 N. Magnolia St.
Tompkinsville, KY 42167

Tompkinsville Water Works
PWS ID#: 0860426
County: Monroe

Date of Violation: January 19, 2000 to Present

THIS IS TO ADVISE YOU THAT, AS SPECIFIED BELOW, YOU ARE IN VIOLATION OF THE PROVISIONS OF 40 CFR 141.155, PURSUANT TO KRS 224.10-110.

A description of the violation follows: Failure to submit, by January 19, 2000, certification that the Consumer Confidence Report was prepared and distributed according to the requirements, and that the information in the report is correct and consistent with the compliance monitoring data previously submitted to the Division.

Violation ID#: 94761

Remedial measures required include, but are not limited to: Submit certification with required wording to the Division of Water, Drinking Water Branch. Include all applicable PWS ID numbers on the certification, and a copy of the certification for each PWS ID.

Remedial measures must be completed by: May 31, 2000.

Violation of the above cited statute and regulation is subject to penalties of up to \$25,000 per day. Compliance with remedial measure deadlines does not provide exemption from liability for violations during the period of remediation. Any person who knowingly violates the aforementioned statutes may be subject to criminal prosecution. To discuss this Notice of Violation, please contact the undersigned at: (502) 564-3410, ext 406.

Issued by: Martha L. Hall
Martha L. Hall
Compliance Evaluation Section

Date: April 25, 2000

for Vicki L. Ray, Manager
for Vicki L. Ray, Manager
Drinking Water Branch

Date: April 25, 2000

Certified Mail # 2 258 075 273

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER

NOTICE OF VIOLATION

TO:

TOMPKINSVILLE WATER WORKS
206 N MAGNOLIA ST
TOMPKINSVILLE KY 42167
Attn: JOHN HARLAN

SITE:

TOMPKINSVILLE WATER WORKS
206 N MAGNOLIA ST
TOMPKINSVILLE KY 42167

Site ID #: 0860426

Date(s) Violation(s) Observed: 01/10/2003,
04/10/2003

County: Monroe

Notifications/Complaints System #:

NOV Tracking #: 10329

OIG Case #:

Enforcement Case #: 03313

This is to advise that you are in violation of the provisions cited below:

Statute/Regulation(No. 1): KRS 224 401 KAR 8:510

A description of the violation:

The public water system exceeded the maximum contaminant level (MCL) for the disinfectant by-product haloacetic acids 5 April 2002 - March 2003. The MCL for haloacetic acids 5 is 0.060 mg/l. The system reported 0.069 mg/l for April 2002 - March 2003. This is a Tier 2 violation.

The required remedial measure(s), and date(s) to be completed by; are as follows:

Submit a plan for approval to bring HAA's results below MCL of 0.060 mg/l. To be completed by: 06/12/2003

Implement plan as accepted by the Division of Water. To be completed by: 04/10/2004

Provide written notice and certification to consecutive systems for public notification. Consecutive systems: 0140206
Irvingston Water System

To be completed by: 06/12/2003

Perform public notification for the above-mentioned violation in accordance with 40 CFR 141, Subpart Q (40 CFR 141.201 - 141.210). The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. To be completed by: 06/12/2003

Statute/Regulation(No. 2): KRS 224 401 KAR 8:420

A description of the violation:

Failure to submit 2003 1st quarter sample for p-dichlorobenzene

The required remedial measure(s), and date(s) to be completed by; are as follows:

Submit any p-dichlorobenzene sample for 1st quarter of 2003 To be completed by: 06/12/2003

Submit testing for 2003 2nd quarter for p-dichlorobenzene. Tompkinsville Water Works may not come off quarterly testing without written approval. To be completed by: 07/12/2003

Perform public notification for the above-mentioned violation in accordance with 40 CFR 141, Subpart Q (40 CFR 141.201 - 141.210). The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification.

To be completed by: 06/12/2004

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not

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provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division Of Water
Central Office
Enforcement Branch
14 Reilly Road
Frankfort, Ky 40601

502 564-3410 EXT 580 (7:30 AM - 4:00 PM)
Maxine Goebel, Environmental Technologist

Issued By:

Maxine Goebel

Date: 05/13/2003

Maxine Goebel Environmental Technologist

Issued By:

Teresa L. Clements

Date: 05/13/2003

Teresa L Clements Environmental Control Supervisor

How Delivered: Certified Mail 7099 3220 0008 0356 7959

cc: Drinking Water Branch
Columbia Regional Office
Eric Sutton
Enforcement Branch

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HENRY C. LIST
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

May 19, 2003

Certified No.7099 3220 0008 0356 9458
Return Receipt Requested

John Harlan
206 N Magnolia St
Tompkinsville, Ky 42167

Re: Tompkinsville Water Works
Monroe County, Kentucky
Case No. DOW 03351
(NOV #10399)
PWSID No. 0860426

Dear Mr Harlan:

Tompkinsville Water Works is in violation of KRS 224, 401 KAR Chapter 8, as referenced in the attached Notice of Violation.

Information concerning the content requirements for the Public Notification rule, which went into effect May 1, 2002, may be found on the Drinking Water Branch's website, <http://water.nr.state.ky.us/dw/>. The EPA guideline sheet is under news for the professional. Templates and additional information is also available through the Federal EPA website (<http://www.epa.gov/safewater/pn.html>).

In order to avoid further enforcement action, comply with the remedial measures set forth in the attached Notice of Violation. Failure to comply subjects your system to penalties as specified in KRS 224. Your cooperation and assistance in this matter is appreciated. If you have any questions, please contact Maxine Goebel, (Environmental Technologist), at (502) 564-3410, ext. 580.

Sincerely,

A handwritten signature in black ink, appearing to read "Teresa L. Clements".

Teresa L. Clements,
Environmental Control Supervisor
Enforcement Branch
Division of Water

TLC/mg
Enclosure

c: Enforcement Branch Files
Drinking Water Branch Files
Columbia Regional Office



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COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER

NOTICE OF VIOLATION

TO:
TOMPKINSVILLE WATER WORKS
206 N MAGNOLIA ST
TOMPKINSVILLE KY 42167
Attn: JOHN HARLAN

SITE:
TOMPKINSVILLE WATER WORKS
206 N MAGNOLIA ST
TOMPKINSVILLE KY 42167

Site ID #: 0860426
County: Monroe
Notifications/Complaints System #:
NOV Tracking #: 10399

Date(s) Violation(s) Observed: 04/11/2003
OIG Case #:
Enforcement Case #: 03351

This is to advise that you are in violation of the provisions cited below:

Statute/Regulation(No. 1): KRS 224 401 KAR CHAPTER 8

A description of the violation:

The public water system failed to meet the treatment technique for turbidity in over 5% of samples collected in MARCH 2003. The system exceeded 0.5 NTU in 24% readings. This is a Tier 2 violation.

The required remedial measure(s), and date(s) to be completed by; are as follows:

Perform public notification for the above-mentioned violation in accordance with 40 CFR 141, Subpart Q (40 CFR 141.201 - 141.210). The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification.

To be completed by: 05/30/2003

Submit a plan for approval to bring Turbidity's results below MCL of 0.5 mg/l.. To be completed by: 05/30/2003
Implement plan as accepted by the Division of Water. To be completed by: 06/15/2003

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division Of Water
Central Office
Enforcement Branch
14 Reilly Road
Frankfort, Ky 40601
502 564-3410 EXT 580 (7:30 AM - 4:00 PM)
Maxine Goebel, Environmental Technologist

Issued By:

Maxine Goebel

Date: 05/19/2003

Maxine Goebel Environmental Technologist

Issued By:

Teresa L. Clements

Date: 05/19/2003

Teresa L Clements Environmental Control Supervisor

How Delivered: Certified Mail 7099 3220 0008 0356 9458

cc: Drinking Water Branch
Columbia Regional Office

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Eric Sutton
Enforcement Branch

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COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER

LETTER OF WARNING

06/26/2003

TOMPKINSVILLE WATER WORKS
206 N MAGNOLIA ST
TOMPKINSVILLE KY 42167

LOW ID#: 11109
County: MONROE
Notifications/Complaints System #
Site ID#/Site Name: 0860426 TOMPKINSVILLE WATER WORKS

Dear John Harlan:

This is to advise that you are in violation of the provisions cited below:

Statute/Regulation(No. 1): KRS 224 401 KAR 8:510

A description of the violation:

Failure to submit plant to bring Haloacetic Acids5 to below 0.060 mg/l.

The required remedial measure(s), and date(s) to be completed by; are as follows:

Submit a plan for approval to bring HAA's results below MCL of 0.060 mg/l. To be completed by: 07/15/2003

Implement plan as accepted by the Division of Water. To be completed by: 04/10/2004

Provide written notice and certification to consecutive systems for public notification. Consecutive systems: 0140206 Irvingston Water System

To be completed by: 06/12/2003

Perform public notification for the above-mentioned violation in accordance with 40 CFR 141, Subpart Q (40 CFR 141.201 - 141.210). The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. To be completed by: 06/12/2003

Violation(s) of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties, of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Sincerely,

Maxine Goebel
Environmental Technologist
CENTRAL OFFICE
ENFORCEMENT BRANCH
14 REILLY ROAD
FRANKFORT, KY 40601

HENRY C. LIST
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

August 12, 2003

Certified No.7002 2030 0002 3578 8713
Return Receipt Requested

John Harlan
206 N Magnolia
Tompkinsville, Ky 42167

Tompkinsville Water Works
Monroe County, Kentucky
Case No. DOW 03598
(NOV #11887)
PWSID No. 0860426

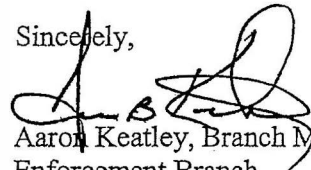
Dear Sir:

Tompkinsville Water Works is in violation of KRS 224, 401 KAR Chapter 8, as referenced in the attached Notice of Violation.

Information concerning the content requirements for the Public Notification rule, which went into effect May 1, 2002, may be found on the Drinking Water Branch's website, <http://water.nr.state.ky.us/dw/>. The EPA guideline sheet is under news for the professional. Templates and additional information is also available through the Federal EPA website (<http://www.epa.gov/safewater/pn.html>).

In order to avoid further enforcement action, comply with the remedial measures set forth in the attached Notice of Violation. Failure to comply subjects your system to penalties as specified in KRS 224. Your cooperation and assistance in this matter is appreciated. If you have any questions, please contact Maxine Goebel, (Environmental Technologist), at (502) 564-3410, ext. 580.

Sincerely,



Aaron Keatley, Branch Manager
Enforcement Branch
Division of Water

TLC/mg
Enclosure

c: Enforcement Branch Files
Drinking Water Branch Files
Columbia Regional Office
Eric Sutton



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ERNIE FLETCHER
GOVERNOR



LAJUANA S. WILCHER
SECRETARY

COMMONWEALTH OF KENTUCKY
ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT, KY 40601

March 7, 2005

Certified No. 7004 0550 0000 8569 0771
Return Receipt Requested

Tompkinsville Water Works
Attn: John Harlan
206 N Magnolia St
Tompkinsville, KY 42167

Re: Notice of Violation
AI ID: 3175
AI Name: Tompkinsville Water Works
Activity ID: ENV20050001
Permit No. PWSID 0860426
Monroe County, KY

Dear Sir:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Ms. Maxine Goebel of my staff at (502) 564-3410.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mark J. Cleland".

Mark J. Cleland, M.P.A., R.E.H.S.
Environmental Enforcement Specialist III
Division of Enforcement

Enclosure



COMMONWEALTH OF KENTUCKY
ENVIRONMENTAL & PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Enforcement

NOTICE OF VIOLATION

To:

Tompkinsville Water Works
Attn: John Harlan
206 N Magnolia St
Tompkinsville, KY 42167

AI Name: Tompkinsville Water Works **AI ID:** 3175 **Activity ID:** ENV20050001

County: Monroe **PWSID:** 0860426

Enforcement Case ID:

Date(s) Violation(s) Observed: 03/04/2005.

This is to advise that you are in violation of the provisions cited below:

1 Violation Description for Subject Item AIOO00000031750:

Additional Limitations: Water systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1(1)]

Description of Non Compliance:

401 KAR 8:510 The public water system exceeded the maximum contaminant level (MCL) for the disinfectant by-product haloacetic acids 5 (HAAs) for January - December 2004. The MCL for HAAs is 0.060 mg/l. The system reported 0.062 mg/l for January - December 2004. This is a Tier 2 violation. Violation ID 99507

The required remedial measure(s), and date(s) to be completed by are as follows:

Tompkinsville Water Works shall submit notification: Due 4/4/2005. Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070]

Tompkinsville Water Work shall submit report(s): Due 4/4/2005. Provide written notice and certification to consecutive systems for public notification. [401 KAR 8:060]

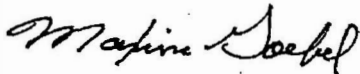
Tompkinsville Water Works shall submit report(s): Due 4/4/2005. Submit a plan for approval to bring HAAs results below MCL of 0.60 mg/l. [401 KAR 8:510]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Department for Environmental Protection
Division of Enforcement
14 Reilly Road
Frankfort, KY 40601
502-564-2150 (7:30 AM - 4:00 PM)
Maxine Goebel, Environmental Enforcement Specialist II



Issued By:

Maxine Goebel, Environmental Enforcement Specialist II
Date: March 7, 2005



Issued By:

Mark J. Cleland, M.P.A., R.E.H.S., Environmental Enforcement Specialist III
Date: March 7, 2005

How Delivered:

Certified/Registered # 7004 0550 0000 8569 0771

ERNIE FLETCHER
GOVERNOR



LAJUANA S. WILCHER
SECRETARY

COMMONWEALTH OF KENTUCKY
ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT, KY 40601

March 7, 2005

CERTIFIED MAIL NO. 7004 0550 0000 8569 1259
Return Receipt Requested

Monroe County Water District
Attn: Richard O Ross
205 Capp Harlan Rd
Tompkinsville, Ky 42167

RE: Public Notification – Consecutive System
AI #: 34034
Activity #: CRV20050001
PWSID # 0860426
Monroe County, Kentucky

Dear Sir:

On March 4, 2007, the Kentucky Division of Enforcement issued the attached Notice of Violation to Tompkinsville Water Works. Your public water system purchases water from this system. You will be required to notify the public you serve of this violation within thirty (30) days after you receive the public notification from your supplier.

You will be required to submit a public notice certification form within ten (10) days of performing the public notification. This form must list the two methods used to distribute the public notification. Copies of the notice used for each method must be attached to the certification form. This form must also state the time frame during which the violation occurred. The certification must be signed.

Please contact me at (502) 564-2150, ext. 580, if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Maxine Goebel".

Maxine Goebel
Environmental Enforcement Specialist II
Enforcement Branch

Enclosure



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An Equal Opportunity Employer M/F/D

5
COMMONWEALTH OF KENTUCKY
ENVIRONMENTAL & PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Enforcement

NOTICE OF VIOLATION

To:

Tompkinsville Water Works
Attn: John Harlan
206 N Magnolia St
Tompkinsville, KY 42167

AI Name: Tompkinsville Water Works AI ID: 3175 Activity ID: ENV20050001
County: Monroe PWSID 0860426
Enforcement Case ID:
Date(s) Violation(s) Observed: 03/04/2005

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO00000031750:**

Additional Limitations: Water systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1(1)]

Description of Non Compliance:

401 KAR 8:510 The public water system exceeded the maximum contaminant level (MCL) for the disinfectant by-product haloacetic acids 5 (HAAs) for January - December 2004. The MCL for HAAs is 0.060 mg/l. The system reported 0.062 mg/l for January - December 2004. This is a Tier 2 violation. Violation ID 99507

The required remedial measure(s), and date(s) to be completed by are as follows:

Tompkinsville Water Works shall submit notification: Due 4/4/2005. Perform public notification for the above-mentioned violation in accordance with 401 KAR 8:070. The public notification must not contain language that contradicts or detracts from the standard mandatory language or the purpose of the notice. Submit proof of public notification and its certification within ten (10) days of executing public notification. [401 KAR 8:070]

Tompkinsville Water Work shall submit report(s): Due 4/4/2005. Provide written notice and certification to consecutive systems for public notification. [401 KAR 8:060]

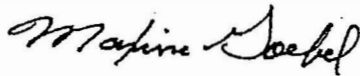
Tompkinsville Water Works shall submit report(s): Due 4/4/2005. Submit a plan for approval to bring HAAs results below MCL of 0.60 mg/l. [401 KAR 8:510]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

ALL DOCUMENTATION MUST BE SUBMITTED TO:

Department for Environmental Protection
Division of Enforcement
14 Reilly Road
Frankfort, KY 40601
502-564-2150 (7:30 AM -- 4:00 PM)
Maxine Goebel, Environmental Enforcement Specialist II



Issued By:

Maxine Goebel, Environmental Enforcement Specialist II
Date: March 7, 2005



Issued By:

Mark J. Cleland, M.P.A., R.E.H.S., Environmental Enforcement Specialist III
Date: March 7, 2005

How Delivered:

Certified/Registered # 7004 0550 0000 8569 0771

ERNIE FLETCHER
GOVERNOR



LAJUANA S. WILCHER
SECRETARY

COMMONWEALTH OF KENTUCKY
ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT, KY 40601

March 7, 2005

Certified No. 7004 0550 0000 8569 0771
Return Receipt Requested

Tompkinsville Water Works
Attn: John Harlan
206 N Magnolia St
Tompkinsville, KY 42167

Re: Notice of Violation
AI ID: 3175
AI Name: Tompkinsville Water Works
Activity ID: ENV20050001
Permit No. PWSID 0860426
Monroe County, KY

Dear Sir:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Ms. Maxine Goebel of my staff at (502) 564-3410.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mark J. Cleland".

Mark J. Cleland, M.P.A., R.E.H.S.
Environmental Enforcement Specialist III
Division of Enforcement

Enclosure





ERNIE FLETCHER
GOVERNOR

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET

LAJUANA S. WILCHER
SECRETARY

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601-1190
www.kentucky.gov

February 13, 2006

Certified No. 7004 2890 0001 2526 5081
Return Receipt Requested

Tompkinsville Water Works
Attn: John Harlan
206 N Magnolia St
Tompkinsville, KY 42167

Re: Notice of Violation
AI ID: 3175
AI Name: Tompkinsville Water Works
Activity ID: ENV20060001
Facility No. PWSID 0860426
Monroe County, KY

Dear Sir:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact Maxine Goebel (ext. 580) or Stacey Hans (ext. 504) at 502 564-2150.

Sincerely,

Mark J. Cleland, M.P.A., R.E.H.S.
Environmental Enforcement Specialist III
Division of Enforcement

C: Div of Enforcement Files
Drinking Water Branch

Enclosure

COMMONWEALTH OF KENTUCKY
ENVIRONMENTAL & PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Enforcement

NOTICE OF VIOLATION

To:

Tompkinsville Water Works
Attn: John Harlan
206 N Magnolia St
Tompkinsville, KY 42167

AI Name: Tompkinsville Water Works AI ID: 3175 Activity ID: ENV20060001
County: Monroe
Enforcement Case ID:
Facility Number: PWSID 0860426
Date(s) Violation(s) Observed: 01/25/2006

This is to advise that you are in violation of the provisions cited below:

1 Violation Description for Subject Item AIOO0000003175():

Additional Limitations: Water systems are subject to the requirements of 401 KAR Chapter 8. [401 KAR 8:020 Section 1(1)]

Description of Non Compliance:
(SDWIS Violation # 99509)

401 KAR 8:075, Section 2: Failing to comply with the content requirements in the 2004 Consumer Confidence Report. Content deficiencies were:

Section 2(1): Failed to include required source water information.

Section 2 (3)(d)6. Errors were observed in the lead and copper information in the "Table of Detected Contaminants".

Section 2 (5): Errors or omissions were observed in the violation list.

Please see the attached Checklist.

The required remedial measure(s), and date(s) to be completed by are as follows:

The Division of Water is not requesting that the Water System make corrections and redistribute the CCR that was due July 1, 2005. However, the violations associated with these deficiencies must be discussed in the 2005 CCR due July 2006. Additionally, the Water System must make every effort to ensure that the 2005 CCR due July 1, 2006 does not contain the same mistakes as this CCR or they will be required to make corrections and redistribute the 2005 CCR. [401 KAR 8:075]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:



ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Ernie Fletcher
Governor

Division of Water
14 Reilly Road
Frankfort, Kentucky 40601-1190
www.kentucky.gov

LaJuana S. Wilcher
Secretary

September 29, 2005

Mr. John Harlan
Tompkinsville Water Works
206 N. Magnolia Street
Tompkinsville, Kentucky 42167

RE: PWSID #0860426
2005 Sanitary Survey

Dear Mr. Harlan:

The Division of Water conducted an Interim Enhanced Surface Water Treatment Rule sanitary survey of the Tompkinsville water system on August 9, 2005. A copy of the survey is attached.

One significant deficiency was found during the survey.

1. A non-certified individual covers the 3rd shift and entire weekend. On the weekend this individual works a 48-hour shift.

The following non-significant deficiencies were noted.

1. Only 8 years of chemical data could be located.
2. There is not a distribution system Operations and Maintenance Manual.
3. Raw water flow meter has not been calibrated.
4. Chemical dosages should be calculated regularly.
5. The bulk liquid chemical feed systems do not have day tanks.
6. There is not containment around the chemical feed systems.
7. The overflow piping on Baker Tank is not 10 feet away from the base of the tank.
8. There is not a process for identifying or correcting cross connections.
9. There is not a working exhaust fan in the chlorine room.

In addition, the following recommendations were made:

1. A customer complaint/inquiry log should be maintained.
2. Tompkinsville should re-evaluate the revenue situation.

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DIVISION OF WATER
DRINKING WATER BRANCH

NOTICE OF VIOLATION

JOHN HARLAN, OPERATOR
TOMPKINSVILLE WATER WORKS
206 N MAGNOLIA ST
TOMPKINSVILLE, KY 42167

PWS ID: 0860426

DATE OF VIOLATION: JAN 2002

THIS IS TO ADVISE YOU THAT, AS SPECIFIED BELOW, YOU ARE IN VIOLATION OF THE PROVISIONS OF KIRS CHAPTER 224 AND 401 KAR 8:010-8:700.

FAILURE TO:

Collect source and finished water TOC/alkalinity samples.

REMEDIAL MEASURES REQUIRED INCLUDE, BUT ARE NOT LIMITED TO:

Submit the above to the Drinking Water Branch by the 10th day of each month. Submit proof of public notification for the above-mentioned violation(s). See attached public notification requirements/model.

REMEDIAL MEASURES MUST BE COMPLETED BY:

Thirty (30) days from the date of this Notice.

Violations of the cited statute and regulations are subject to penalties of up to \$25,000 per day. Compliance with remedial measure deadlines does not provide exemption from liability for violations during the period of remediation. Any person who knowingly violates the aforementioned statutes may be subject to criminal prosecution. To discuss this Notice of Violation, please contact your Compliance Officer at (502) 564-3410.

Issued by: *Mary Joach*
Jw Vicki L. Ray Manager
Drinking Water Branch

Date: 2-28-02

C: Regional Officer: 04-Bowling Green
Drinking Water Files.

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DIVISION OF WATER
DRINKING WATER BRANCH

NOTICE OF VIOLATION

John Harlan
Tompkinsville Water Works
206 N. Magnolia St
Tompkinsville, Ky 40330

Tompkinsville Water Works
PWS ID: 0860426
Monroe County

THIS IS TO ADVISE YOU THAT, AS SPECIFIED BELOW, YOU ARE IN VIOLATION OF THE PROVISIONS OF KIRS CHAPTER 224.

Date of Violation: January 1, 1999 - December 31, 2001

Regulation: 401 KAR 8:400
401 KAR 8:420

Description of the Violation: Failure to Submit Adequate Synthetic Organic Chemicals (SOCs) and Volatile Organic Chemicals (VOCs) samples

Remedial measures required include, but are not limited to:

1. Submit required SOC and VOC samples January 1, 2002 - December 31, 2004.
2. Submit proof of Public Notification to the Drinking Water Branch within **thirty (30)** days of this notification.

Remedial measures must be completed by:

1. Sampling must be complete by December 31, 2004.
2. Proof of Public Notification must be submitted to the Drinking Water Branch by August 11, 2002.

Violations of the cited statute and regulations are subject to penalties of up to \$25,000 per day. Compliance with remedial measure deadlines does not provide exemption from liability for violations during the period of remediation. Any person who knowingly violates the aforementioned statute may be subject to criminal prosecution. To discuss this Notice of Violation, please contact me at (502) 564-3410 ext 580.

Issued by: Maxine Goebel
Maxine Goebel, Compliance Officer
Compliance Evaluation Section

Vicki L. Ray
Vicki L. Ray Manager
Drinking Water Branch

July 12, 2002
Date

7/12/02
Date

C: Regional Office: 07 - Columbia
Drinking Water Files

July 12, 2002

VIOLATIONS: COMPLIANCE PERIOD 1/1/99 - 12/31/01

PWSID# 0860426

PWS NAME: Tompkinsville Water Works

THIS IS TO ADVISE YOU THAT, AS SPECIFIED BELOW, YOU ARE IN VIOLATION OF THE PROVISIONS OF KRS CHAPTER 224.

REGULATION: 401 KAR 8:400 (FAILURE TO SUBMIT ADEQUATE ANALYTICAL RESULTS FOR SYNTHETIC ORGANIC CHEMICALS) & 401 KAR 8:420 VOLATILE ORGANIC CHEMICALS

Violations have been assessed for the following regulated contaminants:

| ID# | Contaminant Name | #Required | #Taken | Begin Date |
|------------|------------------------------------|------------------|---------------|-------------------|
| 2051 | ALACHLOR (LASSO) | 2 | 0 | 010199 |
| 2047 | ALDICARB | 2 | 0 | 010199 |
| 2044 | ALDICARB SULFONE | 2 | 0 | 010199 |
| 2043 | ALDICARB SULFOXIDE | 2 | 0 | 010199 |
| 2050 | ATRAZINE | 2 | 0 | 010199 |
| 2306 | BENO (A) PYRENE (PHA) | 2 | 0 | 010199 |
| 2046 | CARBOFURAN | 2 | 0 | 010199 |
| 2959 | CHLORDANE | 2 | 0 | 010199 |
| 2031 | DALAPON | 2 | 0 | 010199 |
| 2035 | DI (2-ETHYLHEXYL) ADIPATE | 2 | 0 | 010199 |
| 2039 | DI (2-ETHYLHEXYL) PHTHALATE | 2 | 0 | 010199 |
| 2041 | DINOSEB | 2 | 0 | 010199 |
| 2032 | DIQUAT | 2 | 0 | 010199 |
| 2033 | ENDOTHALL | 2 | 0 | 010199 |
| 2005 | ENDRIN | 2 | 0 | 010199 |
| 2946 | ETHYLENE DIBROMIDE (EDB) | 2 | 0 | 010199 |
| 2034 | GLYPHOSATE | 2 | 0 | 010199 |
| 2065 | HEPTACHLOR | 2 | 0 | 010199 |
| 2067 | HEPTACHLOR EPOXIDE | 2 | 0 | 010199 |
| 2274 | HEXACHLOROBENZENE (HCB) | 2 | 0 | 010199 |
| 2042 | HEXACHLOROCYCLOPENTADIENE (HEX) | 2 | 0 | 010199 |
| 2010 | LINDANE (BHC-GAMMA) | 2 | 0 | 010199 |
| 2015 | METHOXYCHLOR | 2 | 0 | 010199 |
| 2036 | OXAMYL (VYDATE) | 2 | 0 | 010199 |
| 2383 | PCB (POLYCHLORINATED BIPHENYLS) | 2 | 0 | 010199 |
| 2326 | PENTACHLOROPHENOL | 2 | 0 | 010199 |
| 2040 | PICLORAM | 2 | 0 | 010199 |
| 2037 | SIMAZINE | 2 | 0 | 010199 |
| 2020 | TOXAPHENE | 2 | 0 | 010199 |
| 2931 | 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) | 2 | 0 | 010199 |
| 2105 | 2,4- D | 2 | 0 | 010199 |
| 2110 | 2,4,5-TP SILVEX | 2 | 0 | 010199 |

| ID# | Contaminant Name | #Required | #Taken | Begin Date |
|------|----------------------------|-----------|--------|------------|
| 2990 | BENZENE | 4 | 1 | 010199 |
| 2982 | CARBON TETRACHLORIDE | 4 | 1 | 010199 |
| 2989 | CHLOROBENZENE (MONO) | 4 | 1 | 010199 |
| 2380 | CIS-1,2-DICHLOROETHYLENE | 4 | 1 | 010199 |
| 2964 | METHYLENE CHLORIDE | 4 | 1 | 010199 |
| 2992 | ETHYLBENZENE | 4 | 1 | 010199 |
| 2968 | O-DICHLOROBENZENE (1,2-) | 4 | 1 | 010199 |
| 2969 | P-DICHLOROBENZENE (1,4-) | 4 | 1 | 010199 |
| 2996 | STYRENE | 4 | 1 | 010199 |
| 2987 | TETRACHLOROETHYLENE (PCE) | 4 | 1 | 010199 |
| 2991 | TOLUENE | 4 | 1 | 010199 |
| 2979 | TRANS-1,2-DICHLOROETHYLENE | 4 | 1 | 010199 |
| 2984 | TRICHLOROETHYLENE (TCE) | 4 | 1 | 010199 |
| 2976 | VINYL CHLORIDE | 4 | 1 | 010199 |
| 2955 | TOTAL XYLENES | 4 | 1 | 010199 |
| 2977 | 1,1-DICHLOROETHYLENE | 4 | 1 | 010199 |
| 2981 | 1,1,1-TRICHLOROETHANE | 4 | 1 | 010199 |
| 2985 | 1,1,2-TRICHLOROETHANE | 4 | 1 | 010199 |
| 2980 | 1,2-DICHLOROETHANE | 4 | 1 | 010199 |
| 2983 | 1,2-DICHLOROPROPANE | 4 | 1 | 010199 |
| 2378 | 1,2,4-TRICHLOROBENZENE | 4 | 1 | 010199 |

JAMES E. BICKFORD
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

September 17, 2002

John Harlan, Operator
Tompkinsville Water Works
206 N Magnolia St
Tompkinsville, Ky 42167

RE: 0860426
Public Notification

Dear Sir:

The Drinking Water Branch received the public notification for the violations issued on July 12, 2002. The public notification is unacceptable.

The chemicals must be individually listed and not as a group. A complete list was sent with the violation letters.

These deficiencies must be corrected and public notification must be re-issued before compliance of public notification is achieved

If you require further assistance, please contact me at (502) 564-3410 ext 580.

Sincerely,

A handwritten signature in cursive script that reads "Maxine Goebel".

Maxine Goebel, Compliance Officer
Drinking Water Branch
Division of Water



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HENRY C. LIST
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

May 13, 2003

Certified No. 7099 3220 0008 0356 7959
Return Receipt Requested

John Harlan
206 N Magnolia St
Tompkinsville, Ky 42167

Re: Tompkinsville Water Works
Monroe County, Kentucky
Case No. DOW 03313
(NOV #10329)
PWSID No. 0860426

Dear Mr Harlan:

Tompkinsville Water Works is in violation of KRS 224, 401 KAR Chapter 8, as referenced in the attached Notice of Violation.

Information concerning the content requirements for the Public Notification rule, which went into effect May 1, 2002, may be found on the Drinking Water Branch's website, <http://water.nr.state.ky.us/dw/>. The EPA guideline sheet is under news for the professional. Templates and additional information is also available through the Federal EPA website (<http://www.epa.gov/safewater/pn.html>).

In order to avoid further enforcement action, comply with the remedial measures set forth in the attached Notice of Violation. Failure to comply subjects your system to penalties as specified in KRS 224. Your cooperation and assistance in this matter is appreciated. If you have any questions, please contact Maxine Goebel, (Environmental Technologist), at (502) 564-3410, ext. 580.

Sincerely,

A handwritten signature in cursive script, appearing to read "Teresa L. Clements".

Teresa L. Clements,
Environmental Control Supervisor
Enforcement Branch
Division of Water

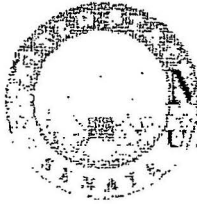
TLC/mg
Enclosure

c: Enforcement Branch Files
Drinking Water Branch Files
Columbia Regional Office



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Project Endorsements



KENTUCKY

MITCH McCONNELL

U.S. SENATE REPUBLICAN LEADER

For Immediate Release
Thursday, June 21, 2007

Contacts:
Robert Steurer 202-224-8288
Julie Adams 202-224-8285

SENATOR McCONNELL SECURES OVER \$15 MILLION FOR KENTUCKY IN FY'08 INTERIOR APPROPRIATIONS BILL

WASHINGTON, D.C. – U.S. Senate Republican Leader Mitch McConnell announced today that the Senate Appropriations Committee has approved his requests of over \$15 million in funding for Kentucky. The funding, included in the FY'08 Interior Appropriations bill, now must be approved by the full Senate.

McConnell used his seniority on the Appropriations Committee to direct funding to the following Kentucky projects:

- **\$1 million for the Green River Valley Water District project in Hart County.** "I am pleased to secure funding for this important project" said Senator McConnell. "These funds will help expand access to clean water in rural Hart County."
- **\$600,000 for the Monroe County Water District.** "I recognize the need for improved drinking water supplies in Monroe County," said Senator McConnell. "This funding addresses that need and will be used towards the construction of a new water treatment plant at the Cumberland River."
- **\$500,000 for the Western Kentucky University Small Public Water Technology Center.** "WKU provides necessary support for small public water systems across the Commonwealth, and this funding will enable the university to continue this important service," said Senator McConnell. Senator McConnell has delivered \$4.45 million for this project in previous years.
- **\$800,000 for the Clarks River National Wildlife Refuge.** Of that amount, \$500,000 will be used for land acquisition from willing sellers and \$300,000 for construction equipment. "The Clarks River National Wildlife Refuge, which will use the money to expand and improve its land, serves as a safe haven for the bald eagle and peregrine falcon," said Senator McConnell. Senator McConnell has delivered \$13.45 million for the refuge in previous years.

-more-

Monroe County Water District

205 Capp Harlan Road
Tompkinsville, Ky 42167

Phone: 270-487-8131

Fax: 270-487-0932

February 12, 2007

RE: Monroe – Tompkinsville Regional Water Treatment Project

To Whom It May Concern:

Let it be known that we the Monroe County Water District Board of Commissioners support the process that is underway to establish our water source from the Cumberland River. A new water treatment plant and transmission line to a new 500,000 gallon central storage tank is our greatest desire at this time. With the Water District adding an average of 100+ new customers annually, the current plant at the City Lake can no longer treat enough quality water for our needs. The future welfare of the citizens in Monroe and surrounding counties depend on our success of securing funding for this project. It is our utmost concern to proceed now before our water supply cannot be met. The agricultural needs in our county has grown very dependant on us to supply their water. It is for the betterment of all concerned to go forward with this project as soon as possible.

Sincerely,
Monroe County Water District
Board of Commissioners

Patrick Myatt, Chairman

Mark Williams, Commissioner

John Thompson, Treasurer

Mike Emberton, Commissioner

Dale Fudge, Secretary

Richard O. Ross, General Manager

Commonwealth of Kentucky

HOUSE OF REPRESENTATIVES

JAMES R. COMER, JR.
182 Hidden Hill Drive
P.O. Box 338
Tompkinsville, KY 42167
(270) 487-5585
jcomer182@alltel.net



Serving Cumberland, Green, Metcalfe,
and Monroe Counties

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(502) 564-8100, Ext. 613
Fax: (502) 564-5538
james.comer@lrc.ky.gov

January 28, 2007

To Whom It May Concern:

It is with a great deal of confidence that I highly recommend for funding the Monroe County Water District's request to receive federal funding for their plan to build a new water treatment facility and change their primary source of water from the Tompkinsville City Lake to the Cumberland River. I believe so strongly in this project that I allocated 100% of my Monroe County Infrastructure money allocation from the 2006 Kentucky State Biennial Budget for the project, as did Senate President David Williams.

We in Monroe County are in serious danger of running out of water. Our current water source was created to serve only the city of Tompkinsville, not the entire county. In addition, our water treatment facility is over fifty years old and in dire condition. The water quality for the residents of Monroe County is not anywhere near what it should be. This is not only a health risk but a detriment to recruiting some badly needed new industry.

If there is ever a time that I can be of any assistance to you in making your decision to fully fund this request from the Monroe County Water District, please do not hesitate to contact me. Sen. Williams and I are in full support of this project and rank it number one in our request for federal funding for Monroe County.

Sincerely,

A handwritten signature in cursive script that reads "James Comer".

Rep. James R. Comer, Jr.

WILBUR GRAVES

Monroe County Judge Executive

200 N. Main Street - Suite C
Tompkinsville, KY 42167-1548

January 22, 2007

To Whom It May Concern:

I would like to take this opportunity to express my concerns over the future of Monroe County's water situation. As many of our citizens know, the water source is the small city lake, which is being degraded by agricultural run off, heavy organic content and usually becomes stagnant during summer months.

The current treatment plant is old and producing near capacity. I know from my experience of many water shortages over the past years. I feel worried with the cattle farms, poultry industry and a number of other agricultural projects, depending more greatly on our dwindling water supply that a critical time could be coming soon.

That is why, with the residents of this area my greatest concern; I fully support everyone's effort in constructing a new water treatment plant at the Cumberland River. I understand there will also be a new central storage tank included with this project. With this source of water, all the cities and and county and surrounding areas will have abundant and safe water for many decades to come. I will do my sincere best to see that this undertaking will succeed. Contact me at any time if I can be of assistance.

Sincerely,


Monroe County Judge/Executive



Natural Resources Conservation Service
P.O. Box 700
Tompkinsville, KY 42167

January 19, 2007

To: Monroe County Water District
Re: Water availability

Gentlemen,

It is indeed a pleasure that I write in support of expanding the availability and volume of water to Monroe County citizens. I write to express my thoughts concerning water and agriculture.

Monroe County, being a rural county, is very dependant on agricultural income and employment. As farms continue to become larger and more diverse, water needs are growing rapidly. Two of the enterprises that are expressing the most growth and have the most promising future are dairies and the poultry industry. Both are depend on large volumes of water. For agriculture to continue to flourish, we must have water available to our farms.

Developing additional water supplies and treatment facilities will encourage farmers to continue to invest in Monroe County agriculture. I strongly support the development of plentiful water supplies, a must for viable agriculture in our county.

Sincerely,

A handwritten signature in cursive script that reads "Ken Johnson".

Ken Johnson
District Conservationist



202 NORTH MAGNOLIA
TOMPKINSVILLE, KENTUCKY 42167
Phone 270.487.1314 • Fax 270.487.0975

Jan. 25, 2007

To Whom It May Concern,

I am writing in support of the Monroe Co. Water District and their desire to construct a new water treatment plant for the citizens of our county. A new treatment plant, as well as an additional source of water, is vital to the well being of the people who live in Monroe County. This project would benefit many different aspects of our local communities. It would serve as a reliable source of potable water for human consumption. This is desperately needed as our existing treatment plant is reaching near capacity and is becoming more difficult to maintain annually.

It would also serve industry in our area as they consider locating here, or expanding their existing enterprises. A sufficient supply of water in high enough volume is crucial to attracting and retaining business and industry. The industrial sector is very important to our local economy and our economic development.

Agriculture is a very important aspect of our local economy as well. Many farmers depend upon a stable source of water for their livelihood. Monroe County ranks seventh in the state in terms of number of all cattle and calves with over 54,000 head. We rank twelfth in dairy production, and have approximately 96 poultry houses. These enterprises are very dependent on a reliable water source to meet their production needs.

On behalf of the board of directors of the Monroe Co. Economic Development Center, I would like to express our full support of a new water treatment plant. We ask that you would look favorably upon this proposal. I would like to applaud the vision of our local water district in trying to implement this project for the betterment of our county.

Sincerely,

A handwritten signature in cursive script that reads "Kevin Lyons".

Kevin Lyons
President of the Board of Directors
Monroe Co. Economic Development Center

Tompkinsville Monroe County Chamber of Commerce

1194 Columbia Avenue Tompkinsville, Ky. 42167

Phone 270.487.5504 Fax 270.487.6176

To Whom It May Concern,

The Tompkinsville – Monroe County Chamber of Commerce is in full support of the development of the new Monroe County Water Treatment Plant to be located on the Cumberland River.

The Chamber is currently working with county and city officials to develop and update the infrastructure of our county. Water supply has historically, and continues to be, an issue for our county. Currently, water is utilized by a large portion of the county from the Tompkinsville City Lake. The lake also supplies the citizens of Tompkinsville. Therefore, for industry to locate in our county a water source to supply a sufficient quantity and quality of water is desperately needed.

The Chamber understands the burdens of a limited budget and we recognize that many worthwhile projects are proposed daily. We humbly ask that you seriously consider this request as it directly relates to the quality of life for the citizens of this county.

Sincerely,



Susan Turner,

President

Tompkinsville – Monroe County
Chamber of Commerce

OFFICE OF
MONROE COUNTY BOARD OF EDUCATION

George Wilson, Superintendent

P O Box 10
Tompkinsville, KY 42167
Phone (270) 487-5456
or 487-6772
Fax (270) 487-5571
E-Mail Address: George.Wilson@Monroe.kyschools.us



Todd Burgess, Chairman
Dr. Greg Crabtree, Vice-Chairman
Ross Bybee
Shane McPherson

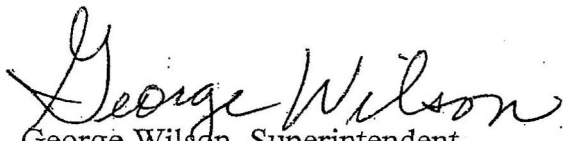
January 22, 2007

To Whom It May Concern:

I am writing in support of Monroe County receiving a new water treatment plant. I believe that Monroe County desperately needs a new water treatment plant to improve water quality. A new plant would serve to increase children's access to high quality water, which would help keep the children of Monroe County healthier. It would improve the opportunity for the water district to provide a clean safe source of water to all of our residents. We need a new plant to meet ever increasing state and federal drinking water quality standards.

Again, I am wholeheartedly in support of a new water treatment plant.

Yours,


George Wilson, Superintendent
Monroe County Schools.



529 Capp Harlan Road
Tompkinsville, Kentucky 42167
Telephone (270) 487-9231

January 19, 2207

Monroe County Water District:

This letter is in support of the new installation at the water treatment plant. As a healthcare facility for need for sufficient quality water supply is one of the most important issues. We maintain an average of 32 patients per day and aside from providing meals for our patients and staff, we provide a large number of meals for the community. Our hospital provides our own laundry service, which also makes us very dependent on sufficient amounts of water being available at all times.

Again, we want to stress the need for the continued excellent services that we receive from our local water district.

A handwritten signature in cursive script that reads 'Vicky McFall'.

Vicky McFall, CEO

City of Edmonton

Phone: 270-432-2811

P.O. Box 374 • Edmonton, Kentucky 42129

Fax: 270-432-3949 E-mail: cityofed@scrtc.com

March 14, 2006

Ricky Ross
Monroe County Water District
205 Capp Harlan Road
Tompkinsville, KY 42167

RE: Water Purchase

Dear Mr. Ross,

The City of Edmonton would be interested in discussing our options on purchasing water from the Monroe Co. Water District.

A connection at the Metcalfe Co. and Monroe Co. line on Highway #163 would be a benefit to our system in the Southern part of Metcalfe County.

I look forward to working with you concerning this project.

Sincerely,



Howard D. Garrett
Mayor

CUMBERLAND COUNTY WATER DISTRICT

133 LOWER RIVER STREET, BURKESVILLE KY 42717-9622

PHONE: 270/864-3133 ~ FAX: 270/864-3865

WATER TREATMENT PLANT ~ 210 LESLIE ROAD, BURKESVILLE, KY 42717

e-mail: ccwdoffice@alltel.net

Monroe County Water,

Cumberland County Water District would be interested in purchasing water from Monroe County Water District on the west end of the county in some cases. We feel we should always have an alternate source.

Thank you,

Johnny Carter

Fountain Run Water Dist. No. 1
Fountain Run, Kentucky 42133

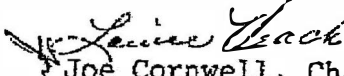
March 14, 2006

Mr. Ricky Ross
Monroe Co. Water District
205 Capp Harlan Rd.
Tompkinsville, Ky. 42167

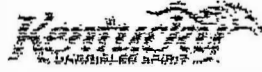
Dear Mr. Ross,

The Fountain Run Water District will be interested in purchasing water from the Monroe County Water District in the future.

Sincerely,


Joe Cornwell, Chairman
Fountain Run Water District

CITY OF GAMALIEL



Mr. Ricky Ross
Monroe County Water District
205 Capp Harlan Road
Tompkinsville, Ky 42167

Re: Regional Water Treatment Plant Project

Mr. Ross:

The City of Gamaliel is in full support of a regional water treatment plant for serving our area. We will be continuing service through the Monroe County Water District.

The City has no intentions of creating our own water system for the 232 customers served in the City.

Our customers are currently using an estimated 1,100,000 gallons on average per month.

A handwritten signature in cursive script that reads "Roger Gerald".

Roger Gerald
Mayor

Water Advisories

MONROE CO WATER DISTRICT (FAX) 270 487 0932 P.0057000

Monroe County Water District

205 Capp Harlan Road
Tompkinsville, Ky 42167
Phone: 270-487-8131
Fax: 270-487-0932

Officials with both the City of Tompkinsville and Monroe County Water District have continuously monitored the City Lake. As of Thursday, August 30, 2007 it was noted that Mill Creek, the only water source to the lake, is dry. Only a small trickle of water is entering the upper portion. It is our concern with the amount of water being pumped from it and the evaporation due to the hot sunny conditions, (with normally the two most dry months of the year ahead - September, October) it's time for everyone to be seriously concerned and conserve what water we have. After sixty more days without a major rain event, who knows what kind of situation the water supply will be in. As of today we are down to the reservoir of the City Lake itself, with no water coming in to replace the amount being used. Therefore, the Monroe County Water District is going into the Alert Stage with guidelines listed below.

A water shortage ALERT has been declared for the Monroe County Water District. Under the ALERT Stage, and in order to ensure adequate supplies for necessary uses, Monroe County Water District customers are urged to practice conservation in ALL use of water. Class 3 non-essential water use is prohibited as follows:

CLASS 3 USES OF WATER

1. Decorative fountains, reflecting pools, artificial waterfalls, and any other decorative uses of water.
2. Watering of gardens, lawns, parks, golf courses (except greens), playing fields and other recreation areas.
3. Filling of public, private, commercial, or residential swimming and wading pools.
4. Personal washing of motor vehicles, boats and trailers, driveways, etc.
5. Serving water in restaurants, clubs or eating places unless specifically requested by the customers.
6. Filling of ponds.

Conservation of all water uses, accompanied by these restrictions can reduce water use by 15 to 30 percent. The Monroe County Water District users can prolong limited water supplies, avoiding further restrictions, by observing these prohibitions and conserving water at ALL times. With the water supply as low as it is there is a mandatory ban on all water taps until further notice (no meters will be set). Further lack of rainfall and insufficient conservation of water could lead to the EMERGENCY Stage of water shortage. The entire staff of Monroe County Water District appreciates the efforts of all individuals to help in this situation.

Richard O. Ross
Richard O. Ross, General Manager

8-30-2007 5:10 PM
Date/Time

CLASSIFIEDS & REAL ESTATE

LEGAL NOTICES

MONROE COUNTY WATER DISTRICT DECLARES WATER SHORTAGE

Officials with both the City of Tompkinsville and Monroe County Water District have continuously monitored the Oley Lake. As of Friday, Aug. 30, 2007, it was noted that Mill Creek, the only water source to the lake, is dry. Only a small trickle of water is among the upper portion. It is our concern with the amount of water being pumped from all and the evaporation due to the hot sunny conditions, with normally the two most dry months of the year ahead — September, October, it's time for everyone to be seriously concerned and conserve what water we have. After sixty more days without a major rain event, who knows what kind of situation the water supply will be in. As of today, we are down to the reservoir of the City Lake itself, with no water coming in to replace the amount being used. Therefore, the Monroe County Water District is going into the Alert Stage with guidelines listed below.

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3. Filling of public, private, commercial or residential swimming and wading pools.
4. Personal washing of motor vehicles, boats and trailers, driveways, etc.
5. Serving water in restaurants, clubs or eating places unless specifically requested by the customers.
6. Filling of ponds.

Conservation of all water uses, accompanied by these restrictions can reduce water use by 5 to 30 percent. The Monroe County Water District users can prolong limited water supplies, avoiding further restrictions by observing these prohibitions and conserving water at ALL times. With the water supply as low as it is there is a mandatory ban on all water taps until further notice (no meters will be set). Further lack of rainfall and insufficient conservation of water could lead to the EMERGENCY Stage of water shortage. The entire staff of Monroe County Water District appreciates the efforts of all individuals to help in this situation.

Following are some tips that individuals are urged to follow to help conserve water during this critical situation:

1. Check toilet for leaks and have leaks repaired.
2. Do not use toilet as ashtray or waste-

3. basket.
 3. Put plastic bottles in toilet tank.
 4. Take shorter showers.
 5. Install water saving shower heads or flow restrictors.
 6. Take baths.
 7. Turn off water after wetting toothbrush.
 8. Rinse razor in sink. Instead of letting water run.
 9. Check faucets and pipes for leaks and have repaired.
 10. Use automatic dishwasher for full loads only.
 11. Wash full loads of clothes only.
 12. If dishes are hand-washed, do not let water run to rinse, fill the sink.
 13. Do not let faucet run to rinse vegetables.
 14. Keep a bottle of water in the refrigerator.
 15. Water the lawn only when it needs it. Water it at night and deep soak. Do not water on windy days.
 16. Place a layer of mulch around trees and plants.
 17. Use a broom to clean driveways and sidewalks, not a hose.
 18. Do not run the hose when washing vehicle.
 19. Do not let children play with the hoses and sprinklers.
- Signed by Richard O. Ross, General Manager on Aug. 30, 2007.

CITY OF TOMPKINSVILLE NOW ACCEPTING BIDS

The City of Tompkinsville Sanitation Dept. is now taking bids for contracts to out source the City's garbage pickup, residential and commercial. Bids will be taken until 3:00 p.m. September 13th, 2007 at Tompkinsville City Hall, 206 N. Magnolia St., Tompkinsville, KY 42416. Bids will be opened at the Commission Meeting that night at 5 p.m. in the EDC Building. The City reserves the right to reject any and/or all bids. (051302)

Livingston Regional Hospital

Great people. Smart hospital.

Employment Opportunities

ICU NURSE MANAGER

- Full-Time • Registered Nurse with previous ICU and/or Nursing Management experience

Yo

Tompkinsville News

VOLUME 105 — NO. 12

14 Pages — One Section

Tompkinsville, Monroe County, Kentucky

THURSDAY, AUGUST 23, 2007

50 CENTS

Water shortage advisory issued by Monroe County Water District

The Monroe County Water District is asking customers to begin voluntary water conservation measures immediately, as the system's supply has dropped enough to cause concern.

Ricky Ross, general manager of the Water District, said county customers have been using a million gallons of water a day over the past few days.

According to Ross, the Tompkinsville Water plant normally supplies the county system, has been furnishing about 4.5 to 4.6 million gallons a day (total to all customers).

The seven Monroe Water District tanks have a combined capacity of 1,000,000 gallons, which is a one-day

supply at current usage.

Tom Baker, with the Tompkinsville Water System, reports city customers normally use between 250,000 to 300,000 gallons a day.

Baker goes on to say the water treatment plant normally pumps about 12.5 million gallons per day, but the hot-dry weather has pushed production to 3.5 million gallons a day.

"We are at maximum pumping capacity," said Baker. "We are pumping at an elevated level, a significant difference between average and what has been in the extremely hot days."

"Hot-dry weather is causing high

demand for water, according to Ross, who went on to say a lot of water is being used for livestock, watering lawns and gardens, and other uses.

"The problem is not the level of city lake," said Ross, "but the capacity of the water treatment plant."

He added that the water plant can only treat so much water. A statement by Tom Baker, totally correct, is that a dry season is very hard on the system. "I don't see a significant drop in demand until September."

According to Ross, water usage after a major rainfall usually drops county-wide 200,000 to 300,000 gal-

(continued on page A-2)

Advisory Stage

A local water shortage ADVISORY has been declared by the Monroe County Water District. At this time, there is an immediate need to begin voluntary conservation measures. Due to the recent abnormally dry weather conditions and with little indication of significant rainfall in the foreseeable future, all customers should begin conserving water accordingly. All business and commercial establishments are being requested to develop in-house conservation plans.

Consumers can cut water use by as much as 15% with very little difficult or discomfort by using voluntary water conservation measures.

All non essential uses of water should be minimized.

Specific conservation tips include:

1. Check toilet for leaks and have leaks repaired.
2. Do not use toilet as ashtray or wastebasket.
3. Put plastic bottles in toilet tank.
4. Take shorter showers.
5. Install water saving shower heads or flow restrictors.
6. Do not fill pools excessively.
7. Turn off water after wetting toothbrush.
8. Rinse razor in sink instead of letting water run.
9. Check faucets and pipes for leaks and have repair.
10. Use automatic dishwasher for full loads only.
11. Wash full loads of clothes only.
12. If dishes are hand-washed, do not let water run to rinse them, fill the sink.
13. Do not let faucet run to rinse vegetables.
14. Keep a bottle of water in the refrigerator.
15. Water the lawn only when it needs it. Water at night and do not water on windy days.
16. Place a layer of mulch around trees and plants.
17. Use a broom to clean driveways and sidewalks, not a hose.
18. Do not run the hose continuously when washing vehicles.
19. Do not let children play with the hoses or sprinklers.

Any questions you may contact Monroe County Water District Office at 270-487-8131.

(Ricky Ross)

Richard O. Ross

Richard O. Ross, Manager

7-20-06 10:00 A.M.

Date/Time

CLASSIFIEDS & REAL ESTATE

PUBLIC NOTICES

MONROE COUNTY WATER DISTRICT ADVISORY STATE

A local water shortage ADVISORY has been declared by the Monroe County Water District. At this time, there is an immediate need to begin voluntary conservation measures. Due to the recent abnormally dry weather conditions and with little indication of significant rainfall in the foreseeable future, all customers should begin conserving water accordingly. All business and commercial establishments are being requested to develop in-house conservation plans.

Consumers can cut water use by as much as

YARD SALES

YARD SALE: Fri., Aug. 11 only, 7 a.m. - ?, 1506 Cellina Road, Tompkinsville, home of Sharon Bamard, given by Lindsey Watson and Melissa Buck. Lots of name brand clothes (teen sizes 0-10), shoes, purses, Victoria Secret lotions, Home Interior, Gazelle exercise machine, cookstove, microwave and miscellaneous. Rain or shine. No phone calls please. (081003)

YARD SALE: Sat., Aug. 12, 127 Pedigo Eubank Rd. (from Gamaliel go to Bugtussle, turn right, go to Pedigo Eubank Rd., turn left). Riding lawn mower, garden tillers, corner cabinet, fruit jars, glassware, and many other items. (081001)

YARD SALE: ½ price sale on all school clothes at the Village Shop, Cellina Road, Tompkinsville. All ladies pants, purses and baskets ½ off, all other used clothing 25% off. (083101)

YARD SALE: Fri., August 11, 7:30 - ?, at the home of Jr. and Tracie Roland, 290 Clark Estates, Tompkinsville. Men, women, young (teen-age) girls, and young (teenage) boys clothing and shoes. Toys, books, games, household items, and other miscellaneous items too numerous to mention. Rain or shine. Signs will be posted. No phone calls or early birds please. (081001)

YARD SALE: Thurs., Fri., & Sat., Aug. 10, 11 & 12, 8 a.m. - ?, on Cloyd Road, Tompkinsville. Old Navy, Gap, Nike, Tommy Hilffiger, and other name brands of clothing and shoes and lots of miscellaneous. (081001)

MULTI-FAMILY GARAGE SALE: Fri. & Sat., Aug. 11 & 12, 8 a.m. - ?, at the home of Dr. Michael Carter. Junior, women, men and little girls' clothes, shoes, toys, and household items. (081002)

YARD SALE: Sat., Aug. 12, 8 a.m. - ?, at 751 Maranatha Rd., just off Hwy. 1366. Yamaha keyboard, bass guitar, drum set, home gym.

15% with very little difficulty or discomfort by using voluntary water conservation measures.

All non-essential uses of water should be minimized.

Specific conservation tips include:

1. Check toilet for leaks and have leaks repaired.
2. Do not use toilet as ashtray or wastebasket.
3. Put plastic bottles in toilet tank.
4. Take shorter showers.
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17. Use a broom to clean driveways and sidewalks, not a hose.
18. Do not run the hose continuously when washing vehicles.
19. Do not let children play with the hoses or sprinklers.

Any questions you may contact Monroe County Water District Office at 270-487-8131.

Ricky O. Ross, Manager
(081002)

COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS NOTICE TO CONTRACTORS

Sealed bids will be received by the Department of Highways in the Division of Construction Procurement on the 3rd Floor and/or the Auditorium located on the 1st Floor of the Transportation Cabinet Office Building, Frankfort, Kentucky until 10:00 a.m., daylight savings time on the 11th day of August, 2006, at which time bids will be publicly opened and read for the improvement of:

MONROE COUNTY — CB06 086 0678 000-007: White Oak Ridge and Gumtree Flippin Road (KY 678) from KY 87 (MP 0.00) extending northerly to KY 2468 (MP 6.376), a distance of 6.38 miles. Asphalt Resurfacing.

Bid proposals for all projects will be available at the Division of Construction Procurement until 3:00 p.m. Daylight Savings Time, preceding the day of the letting of Friday, August 11, 2006. Bid proposals for all projects will be available at a cost of \$10 each and remittance payable to the State Treasurer of Kentucky must accompany request for proposals (non-refundable). Bid proposals are issued to prequalified contractors.

Specimen proposals for all projects will be available to all interested parties at a cost of \$10 each (non-refundable). (081002)

TO: CITIZENS OF MONROE COUNTY.

CARDS OF THANKS

RUTH BURGESS HUNT FAMILY

The family of Ruth Burgess Hunt would like to thank everyone who did so many thoughtful deeds for our family during the time of sickness and passing of our loved one. We appreciate the many thoughts, prayers, calls, and visits at the hospital. They meant so much to momma and our family. Thanks to Dr. Phillip Bale and the devoted staff at T.J. Samson Hospital. Thanks to each of you for the visits to the funeral home, food, beautiful flowers, and donations to the Bethlehem Cemetery in Momma's honor. We will always cherish these kind deeds. A special thanks to A.F. Crow's funeral home for their courteous professional service. Thanks to Bro. Ricky Huff and Bro. Timothy Shirley for their words of comfort. Thanks to Stanley Greer for the beautiful songs. We're sure Momma was smiling down upon the service. Thanks for the meal prepared for our family by the First Freewill Baptist Church. May God be with you as he has been with us during the loss of our wife, mother, sister, and MeMa.

Burl Hunt
Debbie & Billy Deckard
Connie & Wayne Eaton
Freddie & Linda Hunt
Ellen & Eddie Headrick
Virginia & Arlie Thomas
Grandchildren
Great-Grandchildren
(081001)

MONROE COUNTY ATHLETIC BOOSTERS

We would like to express our appreciation to all the sponsors for the "Dinner with Coaches" recently held by the Monroe County Athletic Boosters. The dinner was a huge success and enjoyed by all attending. Thanks to the following: Downing Drugs, Gamaliel Dairy Bar, Pitcock's Food Mart and Deli, Gamaliel Beauty Shop, Gulley Creek Furniture, Bill Martin Cee Bee, Alonzo's, Southern Kentucky Hardwood, Michelle's Hair Salon, First Stop, The Tan Line, Stitches, Gamaliel Riding Supply, Travco, Danny and Tuck Johnson, Rodney's Jewelry and Framing, Monroe County Medical Center, Stephen's Mfg., Shelter Insurance, Tompkinsville Drug, Hidden Hills Golf Course, Dr. Timothy Hume, Dr. Tony Carter, Dr. Michael Carter, Dr. Jimmy Carter, Dr. Jerry Bean, Dr. Kimberly Eakie, Ky. Hills Golf course, C.J. Gifts, Drs. Ross, Birge and Hefron, Edmonton State Bank, Shelter Insurance, Dollar Store (Tompkinsville), Time Saver Cleaners, Harrison Pharmacy, Becky's Boutique, Tompkinsville News, IGA, Monroe County Medical Center, Frances BBQ, The Tan Line, R and S Barbecue, Tumbleweed, Car Quest, Anderson Forest Products, T.J. Samson Hospital, Missy's Hair Salon, Awards Inc., GreenWorld, Burger Inn, State Farm Insurance, Anderson Hard-

wood, Monroe County Citizen, Riverfront Car Wash, Tompkinsville Farm Supply, Turner's Florist, Dollie Wai-Mart, Quick Shop, Save-A-Lot High School.

WM. HARRIS LIBRARY DONATIONS

Bookmobile Schedule

| | |
|---------------|----------------|
| Mon., Aug. 14 | 9:30 |
| 10:15 | 11:30 |
| 11:30 | 1:00 |
| 2:00 | Tues., Aug. 15 |
| 9:30 | 10:15 |
| 11:15 | 12:00 |
| 1:30 | 3:00 |
| Wed., Aug. 16 | 9:45 |
| 10:30 | 1:30 |
| 2:30 | 3:15 |

LOST & FOUND

LOST: Purse, tan with rust color billfold. Reward for return. Ne Ph. 427-2189.

SUBSCRIBE TO TOMPKINSVILLE

HELP WANTED

— HIRING NOW —

One part-time cashier and one part-time deli person (Can work around other schedule)

Apply at Grandview Market or Falcon's Nest Market or contact Patricia at 270-487-8565

(ffc)

Stephens Man leader in the n Equipment se positions:

Advisory Stage

A local water shortage ADVISORY has been declared by the City of Tompkinsville and Monroe County Water District. At this time, there is an immediate need to begin voluntary conservation measures. Due to the recent abnormally dry weather conditions and with little indication of significant rainfall in the foreseeable future, all customers should begin conserving water accordingly. All business and commercial establishments are being requested to develop in-house conservation plans.

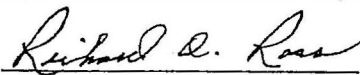
Consumers can cut water use by as much as 15% with very little difficult or discomfort by using voluntary water conservation measures.

All non essential uses of water should be minimized.

Specific conservation tips include:

1. Check toilet for leaks and have leaks repaired.
2. Do not use toilet as ashtray or wastebasket.
3. Put plastic bottles in toilet tank.
4. Take shorter showers.
5. Install water saving shower heads or flow restrictors.
6. Do not fill pools excessively.
7. Turn off water after wetting toothbrush.
8. Rinse razor in sink instead of letting water run.
9. Check faucets and pipes for leaks and have repair.
10. Use automatic dishwasher for full loads only.
11. Wash full loads of clothes only.
12. If dishes are hand-washed, do not let water run to rinse them, fill the sink.
13. Do not let faucet run to rinse vegetables.
14. Keep a bottle of water in the refrigerator.
15. Water the lawn only when it needs it. Water at night and do not water on windy days.
16. Place a layer of mulch around trees and plants.
17. Use a broom to clean driveways and sidewalks, not a hose.
18. Do not run the hose ^{CONTINUOUSLY} when washing vehicles.
19. Do not let children play with the hoses or sprinklers.

Any questions you may contact City of Tompkinsville Office at 270-487-6776 or Monroe County Water District Office at 270-487-8131.


Richard O. Ross, Manager

6-28-05

1:30 PM


Tom Baker, Operations Supervisor

6-28-05

1:30 PM

Tompkinsville, Kentucky

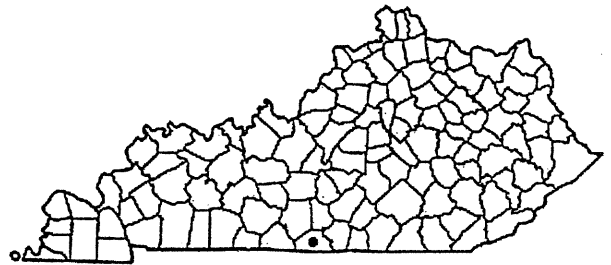
36.699508° -85.692005°﻿ (http://tools.wikimedia.de/~magnus/geo/geohack.php?params=36.699508_N_-85.692005_E_type:city_region:US)
 From Wikipedia, the free encyclopedia

Tompkinsville is a city in Monroe County, Kentucky, United States. The population was 2,660 at the 2000 census. It is the county seat of Monroe County^{GR6}. The town was named after Vice President Daniel D. Tompkins who served under President James Monroe, for whom the county was named after.

Geography

Tompkinsville is located at 36°41′58″N, 85°41′31″W﻿ (http://tools.wikimedia.de/~magnus/geo/geohack.php?params=36_41_58_N_85_41_31_W_city) (36.699508, -85.692005)^{GR1}.

According to the United States Census Bureau, the city has a total area of 9.9 km² (3.8 mi²). 9.5 km² (3.7 mi²) of it is land and 0.5 km² (0.2 mi²) of it (4.69%) is water.



Demographics

As of the census^{GR2} of 2000, there were 2,660 people, 1,169 households, and 702 families residing in the city. The population density was 280.6/km² (727.4/mi²). There were 1,321 housing units at an average density of 139.4/km² (361.2/mi²). The racial makeup of the city was 89.47% White, 8.95% African American, 0.04% Native American, 0.08% Pacific Islander, 0.53% from other races, and 0.94% from two or more races. Hispanic or Latino of any race were 1.09% of the population.

There were 1,169 households out of which 26.3% had children under the age of 18 living with them, 40.3% were married couples living together, 16.4% had a female householder with no husband present, and 39.9% were non-families. 37.8% of all households were made up of individuals and 18.4% had someone living alone who was 65 years of age or older. The average household size was 2.16 and the average family size was 2.84.

In the city the population was spread out with 21.9% under the age of 18, 8.5% from 18 to 24, 25.3% from 25 to 44, 21.9% from 45 to 64, and 22.4% who were 65 years of age or older. The median age was 41 years. For every 100 females there were 76.0 males. For every 100 females age 18 and over, there were 72.8 males.

The median income for a household in the city was \$18,267, and the median income for a family was \$23,361. Males had a median income of \$21,587 versus \$16,541 for females. The per capita income for the city was \$15,975. About 24.5% of families and 29.0% of the population were below the poverty line, including 35.8% of those under age 18 and 23.9% of those age 65 or over.

External links

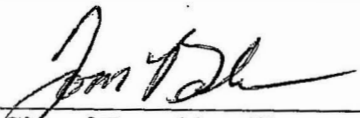
- **Maps and aerial photos** (http://tools.wikimedia.de/~magnus/geo/geohack.php?params=36.699508_N_-85.692005_E_type:city_region:US)
 - Street map from Google Maps (http://maps.google.com/maps?ll=36.699508,-85.692005&spn=0.11,0.18), or Yahoo! Maps (http://maps.yahoo.com/maps_result?lat=36.699508&lon=-85.692005&mag=4), or Windows Live Local (http://local.live.com/default.aspx?cp=36.699508|-85.692005&style=r&lvl=13&v=1)
 - Satellite image from Google Maps (http://maps.google.com/maps?ll=36.699508,-85.692005&spn=0.11,0.18&t=h), Windows Live Local (http://local.live.com/default.aspx?cp=36.699508|-

Monroe County Water District

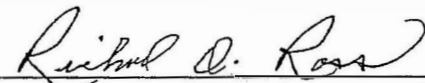
205 Capp Harlan Road
Tompkinsville, Ky 42167
Phone: 270-487-8131
Fax: 270-487-0932

September 26, 2005

State and local water officials have determined due to the lack of rainfall and the abundance of sunshine during the month of September, excessive algae (aquatic plant life) has developed in the city lake. As this algae dies off, it causes noticeable taste and odors to form in the water. They are dissolved and are very difficult to remove from the drinking water. The City of Tompkinsville treatment plant is trying alternative treatment methods in order to remedy the problem. With chlorine residuals at the required level, the water is free of bacteria. Any questions you may contact City of Tompkinsville Office at 270-487-6776 or Monroe County Water District Office at 270-487-8131.



City of Tompkinsville
Tom Baker
Operations Supervisor



Monroe County Water District
Richard O. Ross
Manager

FIGURE C.3.h

PROVIDED AS SEPARATE DOCUMENT

FIGURE E.1

PROVIDED AS SEPARATE DOCUMENT

**ELECTRONIC VERSION IS TOO LARGE
TO UPLOAD USING E-FILING SYSTEM
AND HAS BEEN FURNISHED ON FLASH
DRIVE**