

Source Water Assessment Public Summary

Franklin County General Authority

Letterkenny Dam Reservoir Intake

Introduction

As required by the 1996 Safe Drinking Water Act, the Pennsylvania Department of Environmental Protection (Pa. DEP) is completing assessments of potential contamination to the raw water quality of all public drinking water sources. This summary of information has been provided to support local and state efforts to protect the raw water quality of the Franklin County General Authority's (FCGA) drinking water source in the Letterkenny Dam Reservoir Watershed. The assessment is of "source" water (river water), rather than "tap" water. Information on "tap" water quality is available in the FCGA's *Annual Water Supply Report*.

Drinking Water Sources

The Letterkenny Dam Reservoir Watershed has a drainage area of about 25 square miles. An average of 0.3 million gallons of water per day was withdrawn from Franklin County's surface water intake system during 2002. The surface water intake serves about 1,600 people located in the Cumberland Valley Business Park and on the Letterkenny Army Depot. Approximately 95 percent of the assessment area is forested. Another 3.6 percent of the area is agriculture. While no areas within the watershed are considered developed, there is rural development located in the assessment area.

Water Quality and Water Treatment Information

Water withdrawn from the intake is filtered and disinfected before distribution to customers. Water quality testing is continuously performed by the FCGA. Refer to its *Annual Water Supply Report* for further water quality information.

Evaluation of Significant Potential Sources of Contamination

This assessment evaluates contaminants that may enter the water drawn from the intake. Each source of contamination has been analyzed and given a susceptibility rating according to its impact potential to the intake. A susceptibility rating of A-F (A = high priority, F = low priority) is used to rank protection priorities for the potential sources of contamination. A table of the potential sources of contamination for the Letterkenny Dam Reservoir assessment area is provided below.

Source of Contaminants	Contaminants of Concern	Susceptibility Rating
On-lot Wastewater Disposal	Microbiological Pathogens, Nitrite/Nitrate	B
Agriculture - Livestock	Microbiological Pathogens, Nitrite/Nitrate, SOCs, Metals	C
Transportation Corridors	Metals, Turbidity, SOCs	C
Public Use	Turbidity, Nitrite/Nitrate	C

The most significant potential source of contamination to the Letterkenny Dam Reservoir assessment area is on-lot wastewater disposal. With the increase of development in sections of the watershed, there is the potential for contamination from wastewater. Other sources of concern within the watershed are animal populations, transportation corridors, and public use of the reservoir and surrounding areas.

Ongoing Watershed Protection Activities

The Letterkenny Dam Reservoir Watershed is protected by its land uses at this time. With over 95 percent of the assessment area being forested, runoff and erosion are reduced. Development is also low within the watershed; however, it has increased in recent years, which could potentially lead to increased contaminants. The operator is hoping to increase awareness among the residents within the watershed that their actions impact a drinking water source.

Source Water Protection Needs

The Letterkenny Reservoir provides a clean source of drinking water for the FCGA. As rural development continues to increase within the watershed, efforts will need to focus on properly treating wastewater and controlling runoff from roads.

Additional Information

The final SWAP report for the FCGA intake is available through the Pa. DEP.