

Glossary of Terms

Data Element. A specific type of information required by the Minnesota Department of Health to prepare a wellhead protection plan.

Drinking Water Supply Management Area (DWSMA). The area, delineated using identifiable landmarks, reflects the scientifically calculated wellhead protection area boundaries as closely as possible (Minnesota Rules, part 4720.5100, subpart 13).

Drinking Water Supply Management Area Vulnerability. An assessment of the likelihood that the aquifer within the DWSMA is subject to impact from land and water uses within the wellhead protection area. It is based upon criteria that are specified under Minnesota Rules, part 4720.5210, subpart 3.

Emergency Response Area (ERA). The part of the wellhead protection area that is defined by a one-year time of travel within the aquifer that is used by the public water supply well (Minnesota Rules, part 4720.5250, subpart 3). It is used to set priorities for managing potential contamination sources within the DWSMA.

Inner Wellhead Management Zone (IWMZ). The land that is within 200 feet of a public water supply well (Minnesota Rules, part 4720.5100, subpart 19). The public water supplier must manage the IWMZ to help protect it from sources of pathogen or chemical contamination that may cause an acute health effect.

Wellhead Protection (WHP). A method of preventing well contamination by effectively managing potential contamination sources in all or a portion of the well's recharge area.

Wellhead Protection Area (WHPA). The surface and subsurface area surrounding a well or well field that supplies a public water system, through which contaminants are likely to move toward and reach the well or well field (Minnesota Statutes, section 1031.005, subdivision 24).

Well Vulnerability. An assessment of the likelihood that a well is at risk of human-caused contamination, either due to its construction or indicated by criteria that are specified under Minnesota Rules, part 4720.5550, subpart 2

Controls and Programs

In addition to its own controls, the City of Maple Plain will rely upon partnerships formed with local units of government, state agencies, and federal agencies with regulatory controls or resource management programs in place to help implement its WHPP. The level of support that a local, state, and federal agency can provide depends on its legal authority, as well as the resources available to local governments.

A. Maple Plain Existing Controls and Programs

The DWSMA is located within the Maple Plain city limits. The DWSMA is located within Hennepin County, Minnesota. **Table 1** shows the legal controls and/or programs that the city has identified to support the management of potential contamination sources within the DWSMA.

Table 1: Maple Plain Controls and Programs

Type of Control	Program Descriptions
City Ordinances: <ul style="list-style-type: none"> • Zoning • Utility Regulations • Ordinance Sec. 9-24 – Permits for service connections • Ordinance Sec. 9-26 – Excavation permits required. • Ordinance Sec. 9-23. – Restricted hours for sprinkling. 	Zoning Permits: <ul style="list-style-type: none"> • City Water/Sewer Connection
Water Supply Plan	Guides staff and City Council on water supply activities and opportunities
Surface Water Management Plan	Guide for City Council on how to manage surface waters

B. Local Government Controls and Programs

Additional local government controls and programs are listed in Table 2. These are predominantly managed through Hennepin County with surface water protection falling within the Pioneer-Sarah Watershed Management Commission.

Table 2: Local Agency Control and Programs

Government Unit	Name of Control/Programs	Program Description
Hennepin County Planning and Zoning	Zoning Comprehensive Land Use Planning	Controls for land use and zoning outside Maple Plain city limits
Pioneer-Sarah Watershed Management Commission	Surface Water Management	Protect, preserve and manage natural surface water systems

C. State Agency and Federal Agency Support

MDH will serve as the contact for enlisting the support of other state agencies on a case-by-case basis regarding technical or regulatory support that may be applied to the management of potential contamination sources. Participation by other state agencies and the federal government is based on legal authority granted to them and resource availability. Furthermore, MDH 1) administers state regulations that affect specific potential sources of contamination and 2) can provide technical assistance to property owners to comply with these regulations.

Table 3 the specific regulatory programs or technical assistance that State and federal agencies may provide to the city to support implementation of the WHPP. It is likely that other opportunities for assistance may be available over the 10-year period that the plan is in effect due to changes in legal authority or increases in funding granted to state and federal agencies.

Table 3: State and Federal Agency Controls and Programs

Government Unit	Type of Program	Program Description
MDH	State Well Code for Municipal Wells (Minnesota Rules, Chapter 4725)	MDH has authority over the construction of new municipal and private wells and the sealing of those wells. MDH staff in the Well Management Program offer technical assistance for enforcing well construction codes, maintaining setback distances for certain contamination sources, and well sealing
MDH	WHP	MDH has staff that will help the city identify technical or financial support that other governmental agencies can provide to assist with managing potential contamination sources.

Government Unit	Type of Program	Program Description
MNDNR	Water appropriation permitting (Minnesota Rules, Chapter 6115)	MNDNR can require that anyone requesting an increase in existing permitted appropriations, or to pump groundwater, must address concerns regarding the impacts to drinking water if these concerns are included in a WHPP.
EPA	Class V Wells	The EPA has authority over Class V wells. Owners are required to notify the EPA.

D. Support Provided by Nonprofit Organizations

The South Fork Crow River Watershed Comprehensive Watershed Management Plan can be found at: https://www.mcleodcountymn.gov/services/one_watershed,_one_plan/60_day_review.php. This document provides additional resources and information regarding surface water quality and includes implementation projects to reduce water impairments.