



**MINNESOTA DEPARTMENT OF HEALTH**  
**Section of Drinking Water Protection**  
**Sanitary Survey Report**



System Name: **Spring Lake Park**

PWSID: **1020029**

System Contact: **Terry Randall, Public Works Director**

Survey Date: **03/21/2022**

Surveyor: **Brian A. Noma, P.E.**

PWS Type: **Community**

**Requirements and Recommendations**

**Water Source**

As a reminder, it is required that a well for a community public water supply be located according to distances specified in Minn.Rules 4725.4450, including not less than 50 feet from a source of contamination including buried sewers (except as specified in Minn. Rules 4725.5850).

**Pumps/Pump Facilities and Controls**

No deficiencies observed.

**Treatment**

No deficiencies observed.

**Water Storage**

No deficiencies observed.

**Distribution**

It is recommended that dead ends in the distribution system be minimized by looping. If looping is not feasible, a fire hydrant, approved flushing hydrant or blow off for flushing purposes must be used at the dead ends to maintain water quality and/or chlorine residual. [Recommended Standards for Water Works 8.0]

**Monitoring/Reporting Data Verification**

The following applicable records are required to be maintained by the water supply system:

- a. Coliform bacteria results - 5 years
- b. Chlorine residual results - 5 years
- c. Chemical analysis results - 10 years
- d. Sanitary survey reports - 10 years
- e. All lead and copper materials - 12 years
- f. Consumer confidence reports - 3 years
- g. Public Notices - 3 years
- h. Fluoride quarterly results and monthly reports - 1 year



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## **Requirements and Recommendations**

### **Water System Management/Operation**

Public water supplies are required to maintain effective security measures to protect physical infrastructure and operational practices. This includes security of the physical infrastructure and related operational practices and institutional controls. Listed below are the security concerns that must be identified and addressed:

- a. Intrusion deterrents such as physical barriers, lighting, camera, alarms, and sturdy locking hardware with hardened protective covers for all facilities and components.
- b. Computer based control technologies such as SCADA must be secured from unauthorized physical access and potential cyber attacks.
- c. Safe delivery, handling and storage of chemicals.
- d. Redundancy and enhanced security features to eliminate single point of failure.

[ANSI/AWWA G430-14(R20) and Recommended Standards for Water Works 2.19]

To ensure security, it is recommended that a daily check of critical system components be conducted, including confirmation that all doors and access hatches are locked.

As a reminder, engineering plans for new, modifications to, or additions to the water supply system, including watermains, are required to be properly submitted to the Minnesota Department of Health for review. All plans must be approved prior to the start of construction. [Minn. Rules 4720.0010]

### **Operator Compliance with State Requirements**

The certified operators are required to qualify themselves by attending waterworks operators training seminars offered throughout the state. Continuing education is valuable experience for anyone engaged in this field. The required contact hours in the previous 3 years for certification renewal are:

Class A 32 contact hours

Class B 24 contact hours

Class C 16 contact hours

Class D 8 contact hours

Class E 4 contact hours

[Minn. Rules 9400.1200]



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**Bacteriological Results and Chlorine Residuals**

<u>Date</u>	<u>Sampling Location</u>	<u>Chlorine Residual</u> <u>Free / Total</u>	<u>Coliform</u> <u>Bacteria</u>	<u>E.Coli</u>
03/21/2022	City Hall	/ 0.54	Absent	
03/21/2022	Holiday	/ 0.87	Absent	
03/21/2022	Lyon Park	/ 0.53	Absent	
03/21/2022	Emmanuel Christian	/ 0.70	Absent	
03/21/2022	Well 5	/	Absent	
03/21/2022	Well 1	/	Absent	
03/21/2022	Well 4	/	Present	Absent
03/23/2022	Well #4	/	Absent	