



Protecting, maintaining and improving the health of all Minnesotans

April 15, 2025

St. Joseph City Council
c/o David Murphy, City Administrator
75 Callaway St. E
St. Joseph, Minnesota 56374

Water System Owner/Operator:

SUBJECT: Sanitary Survey Report for Saint Joseph Public Water System (PWS), Stearns County, PWSID 1730033

Enclosed is a copy of the sanitary survey report summarizing an on-site inspection of your Community Public Water System. This report includes a review of the system's water source, facilities, equipment, operation, maintenance, and monitoring compliance for the purpose of evaluating the adequacy of the facilities for producing and distributing safe drinking water. Technical and management information regarding the operation of the system may also be provided. Conducting sanitary surveys on a regular basis is an important element in preventing contamination of drinking water supplies and in maintaining compliance with the National Primary Drinking Water Standards. Mike Sworski was present during this inspection.

Please take appropriate action to address any deficiencies or recommendations identified within this report. A deficiency may lead to a contamination of the water supply or failure of the system to be in compliance with the Safe Drinking Water Act. The enclosed report must be kept on file and made available for public review for not less than ten (10) years.

The Minnesota Department of Health (MDH) continues to monitor your PWS for contaminants identified by state and federal drinking water regulations. The results of such monitoring are not part of this report. They are sent to you under separate cover as they become available.

If you have questions concerning the information contained in the report, please contact me at 320/223-7339.

Sincerely,

Hunter Blommer
Community Public Water Supply Unit
Environmental Health Division
4140 Thielman Lane, Suite 101
St. Cloud, Minnesota 56301

HB
Enclosures
cc: Water Superintendent



**MINNESOTA DEPARTMENT OF HEALTH
SECTION OF DRINKING WATER PROTECTION
Public Water Supply Inventory Report**



System Name: Saint Joseph PWSID: 1730033 System Contact: Ryan Wensmann	Survey Date: 03/17/2025 Surveyor: Hunter Blommer PWS Type: Community
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Contact Information

<u>Name</u>	<u>Address</u>	<u>Phone/Email</u>
Contact		
Ryan Wensmann	Public Works Superintendent 75 Callaway Street East St. Joseph, MN 56374	Business Phone 1 320/363-7201 Cell Phone 320/557-3819 Email rwensmann@cityofstjoseph.com
Mike Sworski		Business Phone 1 320/229-1565, Ext. 565 Cell Phone 320/250-0649 Email msworski@cityofstjoseph.com

Owner/Responsible Party		
St. Joseph City Council	c/o David Murphy, City Administrator 75 Callaway St. E St. Joseph, MN 56374	Business Fax 320/363-0342 Business Phone 1 320/363-7201 Email dmurphy@cityofstjoseph.com

Financial		
St. Joseph City Council	c/o Lori Bartlett, City Administrator 75 Callaway St E. St. Joseph, MN 56374	Business Fax 320/363-0342 Business Phone 1 320/557-8171 Email LBartlett@cityofstjoseph.com

Sample Bottles/General Correspondence		
St. Joseph Water Superintendent	75 Callaway St E St. Joseph, MN 56374	Business Fax 320/363-0342 Business Phone 1 320/363-7201 Email rwensmann@cityofstjoseph.com

Emergency Workday		
Ryan Wensmann		Business Fax 320/363-0342 Business Phone 1 320/363-7201 Cell Phone 320/557-3819 Email rwensmann@cityofstjoseph.com

Emergency After-Hours		
St. Joseph Police Dept.		Business Phone 1 320/363-8250

Consumer Confidence Report		
Ryan Wensmann		Business Phone 1 320/363-7201 Email tthene@cityofstjoseph.com

Classification Information

Owner Type: Municipal	Population: 7100
System Class: C	Service Connections: 1860
Service Area Characteristics: Municipal	Class Points: 48



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Certified Operators

<u>Name</u>	<u>Class</u>	<u>Expiration Date</u>	<u>Name</u>	<u>Class</u>	<u>Expiration Date</u>
Sworski, Michael J.	B	05/31/2025	Johnson, Michael P.	C	05/31/2025
Pekarek, Joseph M.	C	04/30/2027	Poissant, Eric W.	C	11/30/2025
Reber, Jacob R.	C	04/30/2027	Marthaler, James J.	D	04/30/2027
Wensmann, Ryan M.	D	11/30/2027			

Production Totals

Design Capacity: 3,000 Gallons per Minute	Emergency Capacity: 3,000 Gallons per Minute
Average Daily: 441,320 Gallons	Storage Capacity: 700,000 Gallons
Highest Daily: 944,100 Gallons	

Source Information

Well #3

Unique Well No.: 00442202	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 600
Status: Active	Pumping Rate (gpm): 360
Availability: Primary	Emergency Capacity:
Year Constructed: 1988	Static Depth (ft): 26
Well Depth (ft): 70	Drawdown (ft): 4
Casing Depth (ft): 51	Pump Type: Submersible
Casing Diameter (in): 16	Vulnerable: Yes
Screen Length (ft): 20	Last Rehabilitated: 2015
Aquifer: Quaternary Water Table Aquifer	

Well #4

Unique Well No.: 00543107	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 630
Status: Active	Pumping Rate (gpm): 630
Availability: Primary	Emergency Capacity: 630 Gallons per Minute
Year Constructed: 1995	Static Depth (ft): 15
Well Depth (ft): 64	Drawdown (ft): 3
Casing Depth (ft): 45	Pump Type: Submersible
Casing Diameter (in): 16	Vulnerable: Yes
Screen Length (ft): 26	Last Rehabilitated: 2014
Aquifer: Quaternary Water Table Aquifer	



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Well #5

Unique Well No.: 00586936	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 750
Status: Active	Pumping Rate (gpm): 480
Availability: Primary	Emergency Capacity:
Year Constructed: 1996	Static Depth (ft): 23
Well Depth (ft): 68	Drawdown (ft): 12
Casing Depth (ft): 48	Pump Type: Submersible
Casing Diameter (in): 16	Vulnerable: Yes
Screen Length (ft): 25	Last Rehabilitated: 2011
Aquifer: Quaternary Water Table Aquifer	
Specific Source Notes: New drop pipe and check valve 2019.	

Well #6

Unique Well No.: 00737006	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 1200
Status: Active	Pumping Rate (gpm): 840
Availability: Primary	Emergency Capacity: 900 Gallons per Minute
Year Constructed: 2005	Static Depth (ft): 8
Well Depth (ft): 75	Drawdown (ft): 5
Casing Depth (ft): 50	Pump Type: Submersible
Casing Diameter (in): 16	Vulnerable: Yes
Screen Length (ft): 25	
Aquifer: Quaternary Water Table Aquifer	
Specific Source Notes: Cleaned 2019	

Well #7

Unique Well No.: 00737007	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 1200
Status: Active	Pumping Rate (gpm): 860
Availability: Primary	Emergency Capacity: 860 Gallons per Minute
Year Constructed: 2005	Static Depth (ft): 8
Well Depth (ft): 71	Drawdown (ft): 6
Casing Depth (ft): 50	Pump Type: Submersible
Casing Diameter (in): 16	Vulnerable: Yes
Screen Length (ft): 25	
Aquifer: Quaternary Water Table Aquifer	



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Well #8

Unique Well No.: 00737008	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 1200
Status: Active	Pumping Rate (gpm): 900
Availability: Primary	Emergency Capacity: 900 Gallons per Minute
Year Constructed: 2005	Static Depth (ft): 8
Well Depth (ft): 69	Drawdown (ft): 6
Casing Depth (ft): 50	Pump Type: Submersible
Casing Diameter (in): 16	Vulnerable: Yes
Screen Length (ft): 25	Last Rehabilitated: 2023
Aquifer: Quaternary Water Table Aquifer	

Treatment Information

TREATMENT PLANT #1

Type: Treatment Plant	Source Water: Groundwater
Status: Active	Design Capacity: 750 Gallons per Minute
Availability: Primary	Emergency Capacity: 630 Gallons per Minute

Treatment Objective

- Disinfection
- Fluoridation
- Iron Removal

- Iron/Manganese Removal
- Other

Treatment Process Mechanism

- Chlorine/Sodium hypochlorite
- Fluoridation/Hydrofluosilicic acid
- Aeration/Spray
- Filtration (Gravity)/Rapid sand
- Oxidation - chemical/Sodium permanganate
- Backwash recycle

TREATMENT PLANT #2

Type: Treatment Plant	Source Water: Groundwater
Status: Active	Design Capacity: 2,400 Gallons per Minute
Availability: Primary	Emergency Capacity: 2,400 Gallons per Minute

Treatment Objective

- Disinfection
- Fluoridation
- Iron Removal

- Iron/Manganese Removal

- Manganese Removal
- Other

Treatment Process Mechanism

- Chlorine/Sodium hypochlorite
- Fluoridation/Hydrofluosilicic acid
- Aeration/Pressure
- Chlorine/Sodium hypochlorite
- Filtration (Gravity)/Anthracite/Greensand
- Coagulation/Anionic polyelectrolytes
- Flocculation
- Sedimentation/Plate settlers
- Filtration (Gravity)/Anthracite/Greensand
- Oxidation - chemical/Sodium permanganate
- Backwash recycle

Specific Treatment Notes: Coag/Sed/Flocc for BW reclaim water only.



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Storage Information

200,000-Gallon Clearwell

Type: Storage-Ground
Status: Active

Capacity: 200,000 Gallons
Availability: Primary
Chlorination:

Elevated 500000

Type: Storage-Elevated
Status: Active

Capacity: 500,000 Gallons
Availability: Primary
Chlorination:

Specific Storage Notes: Rehab and Mixer addition 2014.



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Bacteriological Sample Site Plan

Distribution

<u>Sample Site ID</u>	<u>Sample Location</u>	<u>Status</u>	<u>Notes</u>
	29771 Frontage Road	Active	
	100 College Avenue S	Active	Apartments
	17 Minnesota Street W	Active	Meat Market Processing
	332 Cypress Drive	Active	Hollow Park
	323 4th Avenue NE	Active	Fire Hall
	1855 Elm Street E	Active	Shop
	31 Minneosta Street W	Active	Laundromat
	1300 Jade Road	Active	
	605 1st Avenue NE	Active	Wobegon Center
	20th Ave. SE	Active	Apartments
	23 1st Avenue NW	Active	



MINNESOTA DEPARTMENT OF HEALTH
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Sanitary Survey Report



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Survey Date: **03/17/2025**
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PWS Type: **Community**

Deficiencies

Deficiencies are observed or identified issues that may indicate noncompliance with regulations, codes, or drinking water standards, result in contamination of drinking water delivered to consumers, or compromise to public health. Deficiencies must be corrected in a timely manner.

Pumps/Pump Facilities and Controls

The discharge piping is not equipped with an air release/vacuum relief valve located upstream from the check valve, with exhaust relief piping terminating in a down-turned position at least 18 inches above the floor and covered with a 24-mesh screen. [Recommended Standards for Water Works 3.2.7.3]

The air relief valves on wells 4 & 5 do not terminate 18 inches or above from the floor.

Requirements and Recommendations

Requirements are based on regulation, code, and standard operating procedures across the water industry to be followed to maintain the public water supply and are listed here as informational guidance. Requirements not followed may be elevated to deficiencies. Recommendations are best practices for a public water supply to maintain the safe delivery of drinking water to consumers.

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).

All Public Water Systems collecting more than one total coliform sample per month, with the exception of groundwater systems serving less than 4900 population, must divide the collection of monthly samples into not less than two regular periods per month, preferably bi-weekly.

Pumps/Pump Facilities and Controls

Wells 3, 4, & 5 utilize portable generators that may be shared with lift stations during a power outage event. To ensure continuous service when the primary power has been interrupted, it is recommended that a standby power source be provided through: 1. a direct connection to at least two independent public power sources, or 2. dedicated portable or in-place auxiliary power of adequate supply and connectivity. [Minn. Rules 4720.3927]

Treatment

It is required that all chemical vents be screened.

No deficiencies observed.



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Water Storage

It is recommended that all water storage structures be inspected externally on a seasonal basis to assess and repair environmental damage and verify integrity of vents and screens. A written maintenance program should include periodic internal inspection and cleaning. Operating procedures addressing minimum and maximum water levels and target turnover rates should be in place. [AWWA Standards Distribution Systems Operation and Management, Sec. 4.3]

No deficiencies observed.

Distribution

It is recommended that a free chlorine residual of at least 0.2 to 0.5 milligrams per liter or a total chlorine residual of at least 1.0 milligrams per liter be maintained on all points of the distribution system. Chlorine residuals may have been lower than usual during the survey due to treatment plant #1 being out of service for electrical work.

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]

No deficiencies observed.

Monitoring/Reporting Data Verification

As a reminder, your system will have to update your lead and copper sampling site plan before the next lead and copper sampling period in 2026. The site plan template is available at, (<https://www.health.state.mn.us/communities/environment/water/lcsiteplan.html>) If you have any questions, please contact the MDH lead and copper staff or your district engineer.



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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 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
 - i. Turbidity results - 3 years
- [Minn. Rules 4720.0350]

No deficiencies observed.

Water System Management/Operation

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.

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]

No deficiencies observed.

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 Free / Total (mg/L)</u>	<u>Coliform Bacteria</u>	<u>E.Coli</u>
03/17/2025	Well #6	/	Absent	
03/17/2025	Well #7	/	Absent	
03/17/2025	Well #8	/	Absent	
03/17/2025	Well #3	/	Absent	
03/17/2025	Well #4	/	Absent	
03/17/2025	Well #5	/	Absent	
03/17/2025	Laundromat	0.10 / 0.16	Absent	
03/17/2025	Wobegon Trailhead	0.13 / 0.23	Absent	
03/17/2025	Maintenance Shop	0.06 / 0.16	Absent	