



Protecting, maintaining and improving the health of all Minnesotans

January 13, 2025

Vergas City Council
c/o Julie Lammers, City Clerk
P.O. Box 32
Vergas, Minnesota 56587

Dear Council Members:

SUBJECT: Sanitary Survey Report for Vergas Public Water System (PWS), Otter Tail County,
PWSID 1560029

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. Michael DuFrane 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 218-332-5187.

Sincerely,

Brady S. Krueger
Community Public Water Supply Unit
Environmental Health Division
2312 College Way
Fergus Falls, Minnesota 56537



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



System Name: **Vergas**
PWSID: **1560029**
System Contact: **Michael DuFrane**

Survey Date: **12/12/2024**
Surveyor: **Brady S. Krueger**
PWS Type: **Community**

Contact Information

<u>Name</u>	<u>Address</u>	<u>Phone/Email</u>
Contact		
Michael DuFrane	P.O. Box 32 Vergas, MN 56587	Business Phone 1 218/234-5110, Ext. mobile Email mdufrane@cityofvergas.com
Julie Lammers		Business Phone 1 218/409-8275 Email jllammers@cityofvergas.com

Owner/Responsible Party

Vergas City Council	c/o Julie Lammers, City Clerk P.O. Box 32 Vergas, MN 56587	Business Phone 1 218/409-8275 Email jllammers@cityofvergas.com
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Financial

City of Vergas	P.O. Box 32 Vergas, MN 56587	Business Phone 1 218/409-8275 Email cityofvergas@arvig.net
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Sample Bottles/General Correspondence

Vergas Water Superintendent	111 East Main Street P.O. Box 32 Vergas, MN 56587	Cell Phone 218/234-5110 Email mdufrane@cityofvergas.com
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Emergency Workday

Michael DuFrane	Cell Phone 218/234-5110 Email mdufrane@cityofvergas.com
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Emergency After-Hours

Michael DuFrane	Cell Phone 218/234-5110 Email mdufrane@cityofvergas.com
Matt Engebretson	Cell Phone 218/234-7053

Consumer Confidence Report

Julie Lammers	Business Phone 1 218/342-2091 Email jllammers@cityofvergas.com
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Classification Information

Owner Type:	Municipal	Population:	358
System Class:	C	Service Connections:	169
Service Area Characteristics:	Municipal	Class Points:	34

Certified Operators

<u>Name</u>	<u>Class</u>	<u>Expiration Date</u>	<u>Name</u>	<u>Class</u>	<u>Expiration Date</u>
DuFrane, Michael D.	B	04/30/2026			



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Production Totals

Design Capacity:	150 Gallons per Minute	Emergency Capacity:	100,000 Gallons
Average Daily:	28,000 Gallons	Storage Capacity:	100,000 Gallons
Highest Daily:			

Source Information

Well #1

Unique Well No.: 00520969	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 150
Status: Active	Pumping Rate (gpm): 150
Availability: Primary	Emergency Capacity:
Year Constructed: 1992	Static Depth (ft): 70
Well Depth (ft): 383	Drawdown (ft): 8
Casing Depth (ft): 353	Pump Type: Submersible
Casing Diameter (in): 8	Vulnerable: No
Screen Length (ft): 20	Last Rehabilitated: 2014
Aquifer: Quaternary Buried Artesian Aquifer	

Well #2

Unique Well No.: 00520970	Source Type: Groundwater
Type: Well	Pump Capacity (gpm): 150
Status: Active	Pumping Rate (gpm): 150
Availability: Primary	Emergency Capacity:
Year Constructed: 1992	Static Depth (ft): 72
Well Depth (ft): 395	Drawdown (ft): 6
Casing Depth (ft): 355	Pump Type: Submersible
Casing Diameter (in): 8	Vulnerable: No
Screen Length (ft): 40	Last Rehabilitated: 2014
Aquifer: Quaternary Buried Artesian Aquifer	

Treatment Information

TREATMENT PLANT #1

Type: Treatment Plant
Status: Active
Availability: Primary

Source Water: Groundwater
Design Capacity: 150 Gallons per Minute
Emergency Capacity:
Operating Rate: 150 Gallons per Minute

Treatment Objective

Disinfection
Fluoridation
Iron/Manganese Removal

Treatment Process Mechanism

Chlorine/Sodium hypochlorite
Fluoridation/Hydrofluosilicic acid
Coagulation/nonionic polyelectrolytes
Detention (chemical reaction time)
Filtration (Pressure)/Anthracite/Greensand
Oxidation - chemical/Potassium permanganate



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Storage Information

Elevated 100000

Type: Storage-Elevated

Status: Active

Capacity: 100,000

Availability:

Chlorination:

Gallons

Primary

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Bacteriological Sample Site Plan

Distribution

<u>Sample Site ID</u>	<u>Sample Location</u>	<u>Status</u>	<u>Notes</u>
	311 Glenn St	Active	City Shop
	140 W Linden St	Active	Community Center
	230 E Frazee Ave	Active	Ball Park
	E Frazee Ave (beach)	Active	City Beach
	111 W Main St	Active	Liquor Store



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



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PWSID: **1560029**
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Survey Date: **12/12/2024**
Surveyor: **Brady S. Krueger**
PWS Type: **Community**

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).

Pumps/Pump Facilities and Controls

No deficiencies observed.

Treatment

It is recommended that when replacing the liquid storage tanks a secondary containment be provided to prevent the accidental discharge of chemical in the event of an equipment failure or spill. [Recommended Standards for Water Works 5.1.9]

It is recommended that all chemical barrels be labeled as to their contents to prevent accidental cross filling.

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]



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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]

Water System Management/Operation

Engineering plans for new, modifications to, or additions to the water supply system, including watermain, 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]

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.

It is recommended that a security gate/fence be installed at the road's entrance to the water treatment plant. A security gate would reduce the amount of unwanted traffic and visitors.

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 (mg/L)</u>	<u>Coliform</u> <u>Bacteria</u>	<u>E.Coli</u>
12/12/2024	Well #1	/	Absent	
12/12/2024	Well #2	/	Absent	
12/12/2024	TREATMENT PLANT #1	/ 3.21	Absent	
12/12/2024	111 W Main (liquor store)	0.03 / 0.75	Absent	
12/12/2024	120 W Linden (comm center)	0.06 / 1.20	Absent	