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Hydrogeologic Assessment of the Drinking Water Source and Wells for the City of Montrose

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VULNERABILITY ASSESSMENTS – WELLS AND DRINKING WATER SUPPLY MANAGEMENT AREA

August 4, 2021

Hydrogeologic Assessment of the Drinking Water Source and Wells for the City of Montrose

Public Water Supply ID: 1860016

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I hereby certify that this plan, document or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the State of Minnesota.

Signature:  _____ Date: 06/17/2021 _____

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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 that 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 103I.005, subdivision 24).

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

Acronyms

CWI - County Well Index

DNR - Minnesota Department of Natural Resources

EPA - United States Environmental Protection Agency

FSA - Farm Security Administration

MDA - Minnesota Department of Agriculture

MDH - Minnesota Department of Health

MGS - Minnesota Geological Survey

MLAEM - Multi Layer Analytic Element Model

MnDOT - Minnesota Department of Transportation

MnGEO - Minnesota Geospatial Information Office

MPCA - Minnesota Pollution Control Agency

NRCS - Natural Resource Conservation Service

SWCD - Soil and Water Conservation District

UMN - University of Minnesota

USDA - United States Department of Agriculture

USGS - United States Geological Survey

Summary

Protection Areas - The recharge area for the wells is known as the wellhead protection area, or WHPA, and represents the area that contributes water to the city's wells within a 10-year period. The area that contributes water within a one-year period is known as the emergency response area, or ERA. Practical reasons require the designation of a management area that fully envelops the wellhead protection area, called the drinking water supply management area, or DWSMA. Each of these areas is shown in Figure 1.

Geology and Groundwater Flow – The city of Montrose has three primary wells screened in a sand and gravel aquifer that is buried beneath a layer of clay-rich sediment. Such aquifers are known generically as Quaternary Buried Artesian Aquifers (QBAA). The depths of the wells are represented in Table 1. Regionally, groundwater flow is from the southwest to the northeast (Figure 2).

Table 1 - Water Supply Well Information

Local Well ID	Unique Number	Use/ Status	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed/ Reconstructed	Aquifer	Well Vulnerability
Well #4	700302	Primary	12	155	175	7/15/2004	QBAA	Not Vulnerable
Well #5	700301	Primary	12	155	175	7/15/2004	QBAA	Not Vulnerable
Well #6	843402	Primary	12	145	161	9/18/2019	QBAA	Not Vulnerable

Well Vulnerability - The vulnerability of each well has been assessed based on 1) well construction details, especially conformance with standards required by the state well code, 2) the geologic sensitivity of the aquifer, and 3) past monitoring results. All wells meet construction standards.

Table 2 - Isotope and Water Quality Results

Well Name (Unique Number)	Tritium	Nitrate (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Chloride/ Bromide Ratio
Montrose Well #4 (700302)	< 0.8 11/30/2012	< 0.05 4/7/2014	< 1 7/30/2013	0.0288 7/30/2013	< 35
Montrose Well #5 (700301)	-	< 0.5 4/7/2014	1.57 7/30/2013	0.0246 7/30/2013	63.8
Montrose Well #6 (843402)	-	< 0.05 9/18/2019	-	-	-

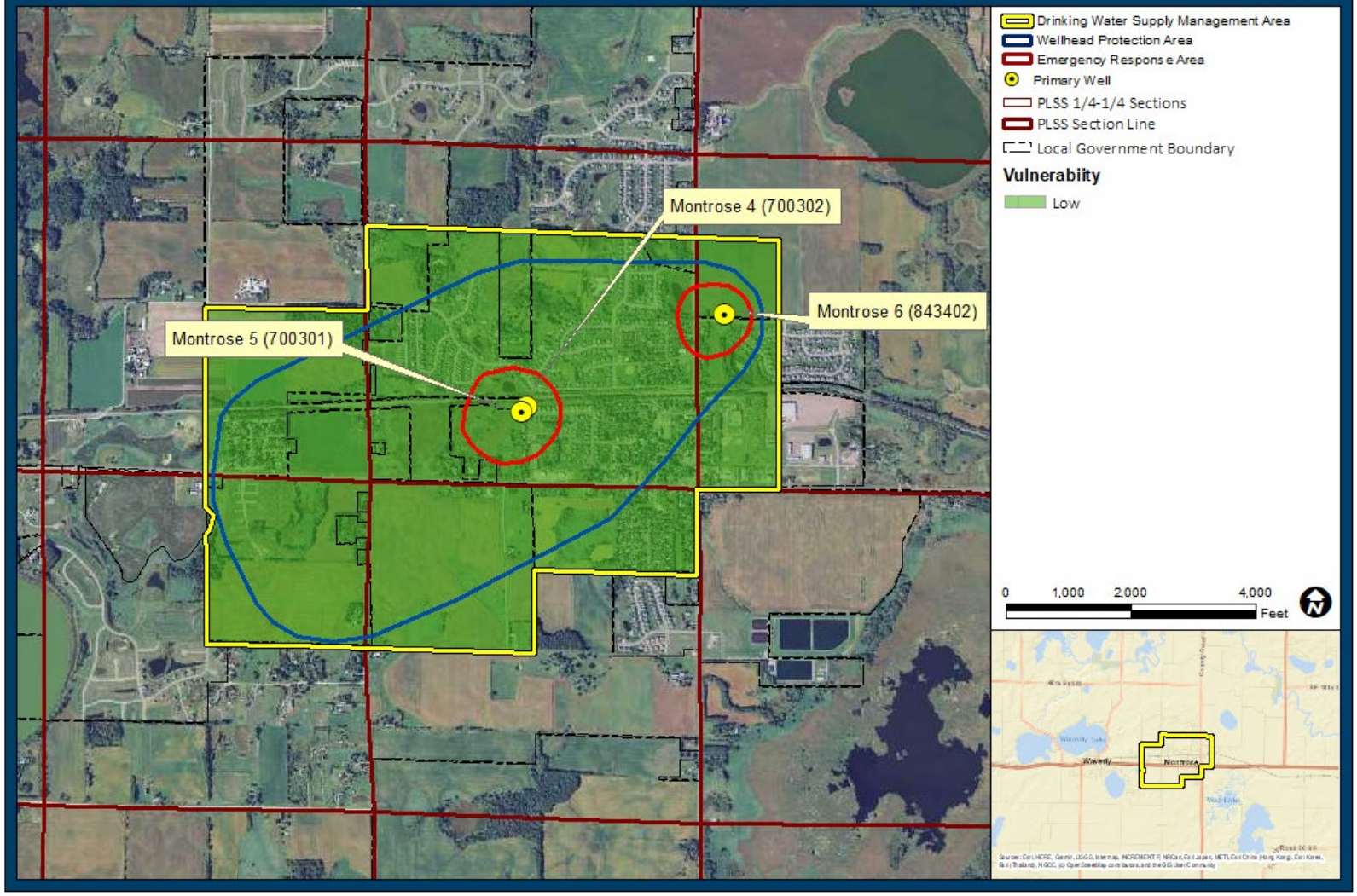
DWSMA Vulnerability - The vulnerability of the city's aquifer throughout the DWSMA is based on the geologic sensitivity ratings of wells and their monitoring data. Based on this information MDH has assigned a low vulnerability to the DWSMA. This suggests that the clay-rich sediments that overlie the city's aquifer prevent water and contaminants from moving quickly from the land surface into the city's aquifer and implies a time of travel of decades or longer. The principal threats to this aquifer are unsealed abandoned wells that penetrate through this clay layer. Such wells are 145 feet or greater in depth in the Montrose area.

Water Quality Concerns - At present, none of the contaminants for which the Safe Drinking Water Act has established health-based standards has been found above maximum allowable levels in the city's water supply, nor are any present at one-half of those levels.

Recommendations - Recommendations have been generated to improve future delineations and vulnerability assessments and should be considered for inclusion as management strategies in the city's wellhead protection plan. These activities include: well locating, water quality monitoring and aquifer testing. Further details can be found in Section 2.7 of this report.

Wright County
Minnesota

Figure 1
Drinking Water Supply Management Area and Vulnerability
City of Montrose



Technical Report

Discussion

The Minnesota Department of Health (MDH) developed Part I of the wellhead protection (WHP) plan at the request of the city of Montrose (PWSID 1860016). The work was performed in accordance with the Minnesota Wellhead Protection Rule, parts 4720.5100 to 4720.5590.

This report presents delineations of the wellhead protection area (WHPA) and drinking water supply management area (DWSMA), and the vulnerability assessments for the public water supply wells and DWSMA. Figure 1 shows the boundaries for the WHPA and the DWSMA. The WHPA is defined by a 10-year time of travel. Figure 1 also shows the emergency response area (ERA), which is defined by a one-year time of travel. Definitions of rule-specific terms used are provided in the "Glossary of Terms."

In addition, this report documents the technical information required to prepare this portion of the WHP plan in accordance with the Minnesota Wellhead Protection Rule. Additional technical information is available from MDH.

Table 1 lists all the wells in the public water supply system. Only wells listed as primary are required to be included in the WHP plan.

Assessment of the Data Elements

MDH staff met with representatives of the city of Montrose on November 30, 2016, for a scoping meeting that identified the data elements required to prepare Part I of the WHP plan. Subsequently, wellhead protection activities were paused while Montrose installed a new public water supply well and treatment plant. MDH and Minnesota Rural Water Association staff met again with the city of Montrose on April 08, 2021, to discuss updates to wellhead protection planning efforts in light of the addition of Well #6 to the city's water system. Appendix A presents the assessment of these data elements relative to the present and future implications of planning items specified in Minnesota Rules, part 4720.5210.

General Descriptions

Description of the Water Supply System

The city of Montrose obtains its drinking water supply from three primary wells. Table 1 summarizes information regarding them.

Description of the Hydrogeologic Setting

The city of Montrose draws groundwater from a glacial sand and gravel aquifer found approximately 145 feet below the land surface. The aquifer is overlain by a layer of clay-rich sediments and is designated as a Quaternary Buried Artesian Aquifer (QBAA). For this report, an estimated aquifer thickness of 24 feet is used (Barry 2018). The true thickness is unknown due to the lack of wells that fully-penetrate the aquifer. Regionally, groundwater flows from southwest to northeast.

A description of the hydrogeologic setting for the aquifer used to supply drinking water is presented in Table 3.

Table 3 - Description of the Local Hydrogeologic Setting

Attribute	Descriptor	Data Source
Aquifer Material	Unconsolidated sand and gravel	CWI
Porosity Type and Value	20 percent	Fetter, 2001
Aquifer Thickness	Aquifer thickness is regionally variable and uncertain due to the lack of fully penetrative borehole data in the surrounding area. The Montrose city wells draw from a sand and gravel aquifer approximately 24 feet thick.	CWI, Figures 4 and 5
Stratigraphic Top Elevation	Approximately 840 feet AMSL depending on regional deposition of sand, gravel, and clay layers.	CWI, Figures 4 and 5
Stratigraphic Bottom Elevation	Approximately 816 feet AMSL depending on regional deposition of sand, gravel, and clay layers.	CWI, Figures 4 and 5
Hydraulic Confinement	Confined	CWI

Attribute	Descriptor	Data Source
Transmissivity	Range of Values: 1,632 - 6,600 ft^2/day	The range of transmissivity values was derived using specific capacity data obtained from well records. See Table 4 for the reference value.
Hydraulic Conductivity	Range of Values: 68 - 275 ft/day	The range of K values was obtained from the range of transmissivity values.
Groundwater Flow Field	Groundwater flow is southwest to northeast through Montrose with an approximate compass direction of 66° and gradient of 0.0018517 (Figure 2).	Defined by using static water level elevations from well records in the CWI database.

The distribution of the aquifer and its stratigraphic relationships with adjacent geologic materials are shown in Figures 3, 4, and 5. They were prepared using well record data contained in the CWI database. The geological maps and studies used to further define local hydrogeologic conditions are provided in the "Selected References" section of this report.

Delineation of the Wellhead Protection Area

Delineation Criteria

The boundaries of the WHPA for the city of Montrose are shown in Figure 1. Table 4 describes how the delineation criteria specified under Minnesota Rules, part 4720.5510, were addressed.

Table 4 - Description of WHPA Delineation Criteria

Criterion	Description	How the Criterion was Addressed
Flow Boundary	Other High-Capacity Wells	High-capacity wells within two miles of the city wells were included in the groundwater models.
Daily Volume of Water Pumped	See Table 5	Pumping information was obtained from the DNR, Appropriations Permit Number 1984-3186, and was converted to a daily volume pumped by a well.
Groundwater Flow Field	See Figure 2	The groundwater flow field was determined from local well data and input explicitly into MLAEM and capture zones were calculated based on the flow field. Oneka was used to evaluate the uncertainty of the wells' capture areas based on the simplified conceptual model and regional flow, recharge and local well data.
Aquifer Transmissivity (T)	Reference Value: 2,688 ft^2/day	The aquifer test plan was approved on 05/27/2021, and T was determined from specific capacity data. Uncertainty regarding aquifer transmissivity was addressed as described in Section 2.4.6.
Time of Travel	10 years	The public water supplier selected a 10-year time of travel.

Pumping data was obtained from the DNR Permit and Reporting System (MPARS) for the public water supply's Appropriation Permit Number 1984-3186. These values, confirmed by the public water supplier, were used to identify the maximum volume of water pumped annually by each well over the previous five-year period, as shown in Table 5. An estimate of the pumping for the next five years is also shown. The maximum daily volume of discharge used as an input parameter in the model was calculated by dividing the greatest annual pumping volume by 365 days.

Table 5 - Annual Volume of Water Discharged from Water Supply Wells

Well Name	Unique Number	2015	2016	2017	2018	2019	Daily Volume (cubic meters)
Well #4	700302	20.913	**22.206**	22.035	21.379	19.935	230
Well #5	700301	22.680	21.883	23.136	**27.255**	23.856	283
Well #6	843402	-	-	-	-	-	281

(Expressed as millions of gallons. Bolding indicates greatest annual pumping volume.)

In addition to the wells used by the public water supplier, Table 6 shows other high-capacity wells included in the delineation to account for their pumping impacts on the capture areas for the public water supply wells. Pumping data was obtained from the DNR MPARS database.

Table 6 - Other Permitted High-Capacity Wells

Unique Number	Well Name	DNR Permit Number	Aquifer	Use	Annual Volume of Water Pumped (gallons)[1]	Daily Volume (cubic meters)
218012	Waverly 1	1975-3023	QBAA	Municipal/Public Water Supply	10.414	108
182086	Waverly 2	1975-3023	QBAA	Municipal/Public Water Supply	9.932	103
258207	12 Hi MHP	1992-3191	QBAA	Public Water Supply	7.886	82

[1] = Expressed as millions of gallons

Method Used to Delineate the Wellhead Protection Area

The WHPA for the city of Montrose's wells were determined using a combination of two methods. The first method involved calculating the groundwater capture zones deterministically using representative aquifer parameters that were input into MLAEM, a groundwater modeling code (Strack, 1989). The second method used the stochastic analytical groundwater flow method Oneka (Barnes and Soule, 2002). The resulting WHPA boundaries are a composite of the capture zones calculated using these two approaches (Figure 1). The input files and related information are available at MDH upon request.

MLAEM: The MLAEM Code was selected because it is a quantitative method capable of simulating both simple and complex groundwater flow processes, including the influence of vertical infiltration and the pumping influence of multiple high-capacity wells, if necessary. Here, it produces a conservative estimate because aquifer recharge is not used as an input parameter. It is appropriate to use MLAEM for this particular delineation because no flow boundaries were directly observed in drillers' logs in the area around the primary public water supply wells, at least in the areas defined by a one-year and a 10-year time of travel.

Oneka Model: Oneka was used to assess the probability of impacts that local variations in hydrogeologic conditions may have on a well capture zone. This model treats the aquifer properties and the available water level measurements as variable input parameters. The locations of wells, water levels, and the aquifer geometry were evaluated using information from the CWI database. For the solution, Oneka finds the flow field that best fits the network

of water level elevations by varying the values of the aquifer thickness and transmissivity. Oneka then evaluates the probability of the capture of a given point based on the number of times it is included in the capture areas generated by the total number of solutions. The output from the model is a capture zone probability map for the specified time of travel (10 years).

The combined output from the MLAEM and Oneka models were composited to create the final WHPA (Figure 1).

Results of Model Calibration and Sensitivity Analysis

Model calibration is a procedure that compares the results of a model based on estimated input values to measured or known values. This procedure can be used to define model validity over a range of input values, or it helps determine the level of confidence with which model results may be used. As a matter of practice, groundwater flow models are usually calibrated using water elevation or flux.

There is nothing to calibrate for the MLAEM delineation because it is based on calculating flowpath lines using equations that reflect 1) a constant pumping rate, 2) direction of groundwater flow, 3) hydraulic gradient, 4) aquifer thickness, 5) aquifer permeability, and 6) aquifer porosity. As such, it is a simple calculation of the portion of the aquifer that contributes water, based on the width of the flow field that is affected by pumping.

The Oneka Model is used to support the MLAEM results by using an iterative process which provides the best fit for the ranges of values assigned to its input parameters. This helps to define the subset of values for which the delineation results are most likely to reflect local hydrogeologic conditions and, therefore, provide the best calibration results.

Model sensitivity is the amount of change in model results caused by the variation of a particular input parameter. Because of the simplicity of the MLAEM, the direction and extent of the modeled capture zone may be very sensitive to any of the input parameters:

- The pumping rate directly affects the volume of the aquifer that contributes water to the well. An increase in pumping rate leads to an equivalent increase in the volume of aquifer within the capture zone, proportional to the porosity of the aquifer materials. However, the pumping rate is based on the results presented in Table 5 and, therefore, is not a variable factor that will influence the delineation of the WHPA.
- The direction of groundwater flow determines the orientation of the capture area. Variations in the direction of groundwater flow will not affect the size of the capture zone but are important for defining the areas that are the source of water to the well. The ambient groundwater flow field defined in Figure 2 provides the basis for determining the extent to which each model run reflects the conceptual understanding of the orientation of the capture area for a well.
- A hydraulic gradient of zero produces a circular capture zone, centered on the well. As the hydraulic gradient increases, the capture zone changes into an elliptical shape, with the well centered on the down-gradient focal point. The hydraulic gradient was

determined by using water level elevations that were taken from wells that have verified locations (Figure 2). Generally, the accuracy of the hydraulic gradient determination is directly proportional to the amount of available data that describes the distribution of hydraulic head in the aquifer.

- The aquifer thickness, hydraulic conductivity, and porosity influence the size and shape of the capture zone. A decrease in porosity causes a linear, proportional increase in the areal extent of the capture zone; whereas thickness and hydraulic conductivity each factor into the transmissivity, which defines the relative proportions of the capture zone width to length. A decrease in thickness or hydraulic conductivity decreases the length of the capture zone and increases the distance to the stagnation point, making the capture zone more circular in shape and centered around the well.

Addressing Model Uncertainty

Using computer models to simulate groundwater flow involves representing a complicated natural system in a simplified manner. Local geologic conditions may vary within the capture areas of the public water supply wells, but the amount of existing information needed to accurately define this degree of variability is often not available for portions of the WHPA. In addition, the current capabilities of groundwater flow models may not be sufficient to represent the natural flow system exactly. However, the results are valid within a range defined by the reasonable variation of input parameters for this delineation setting.

The MLAEM Code, used as it was in this delineation, has limited capabilities in addressing these kinds of uncertainties, other than by using multiple runs in which the following six input parameters are varied: 1) constant pumping rate, 2) hydraulic gradient, 3) direction of ambient flow, 4) aquifer thickness, 5) aquifer permeability, and 6) porosity. The uncertainty associated with the MLAEM results from 1) the model limitations mentioned above and 2) the fact that the model cannot be calibrated.

The steps employed for this delineation to address model uncertainty were:

1. Pumping Rate - For each well, a maximum historical (five-year) pumping rate or an engineering estimate of future pumping, whichever is greater (Minnesota Rules, part 4720.5510, subpart 4).
2. Ambient Flow Field - A composite of capture zones created from angles of flow that are 10 degrees greater and 10 degrees lesser than the representative angle of ambient flow (Minnesota Rules, part 4720.5510, subpart 5, B(2).

Capture areas were developed for a range of groundwater flow directions, aquifer permeabilities, and times of travel of one and ten years (Figure 6). As the model code uses constant input values for each run, several runs were required to include all variations in input parameters. Table 7 documents the variables used to address MLAEM uncertainty.

Table 7 - Model Parameters Used in MLAEM Base Case and Uncertainty Runs

File Name	Well Name	Discharge (cubic meters per day)	Hydraulic Conductivity (meters per day)	Gradient	Flow Angle	Porosity (%)	Aquifer Thickness (meters)
Montrose.dat	Well #4 (700302)	230	34	0.001852	14 24 34	20	7.32
	Well #5 (700301)	283	34	0.001852	14 24 34	20	7.32
	Well #6 (843402)	281	34	0.001852	14 24 34	20	7.32

For the Oneka Model, uncertainty related to water levels reported on well records is based on the accuracy of the ground elevation assigned to the well using topographic maps and the transient variability of the water levels in the aquifer over time. Water levels that are probably inaccurate were identified using data from 1) the CWI database, and 2) DNR observation well measurements. Only water levels that fit the flow field (Figure 2) were used for the Oneka analysis.

The Oneka Model helps to address uncertainties related to aquifer parameters as variations of the flow field. A 10-year capture zone probability map (Figure 6) was generated for the public water supply wells; the values used for the Oneka Model are shown in Table 7. The Oneka results fit well with the capture zones calculated by MLAEM. The probability map for the public water supply wells shows that uncertainty of the capture zone increases as the distances from the public water supply wells increase (Figure 6).

Table 8 - Ranges of Values Used for the Oneka Model

Well Number	File Name	Hydraulic Conductivity (meters/day)	Thickness (meters)	Porosity (%)
Well #4 (700302)	Montrose.one	20.7 - 83.7	7.32	20
Well #5 (700301)	Montrose.one	20.7 - 83.7	7.32	20
Well #6 (843402)	Montrose.one	20.7 - 83.7	7.32	20

Delineation of the Drinking Water Supply Management Area

The boundaries of the Drinking Water Supply Management Area (DWSMA) were defined by the city of Montrose using the following features (Figure 1):

- Center-lines of highways, streets, roads, or railroad rights-of-ways
- Public Land Survey coordinates
- Property or fence lines

Vulnerability Assessments

The Part I wellhead protection plan includes the vulnerability assessments for the city of Montrose's wells and DWSMA. These vulnerability assessments are used to help define potential contamination sources within the DWSMA and select appropriate measures for reducing the risk that they present to the public water supply.

Assessment of Well Vulnerability

The vulnerability assessments for each well used by the city of Montrose are listed in Table 1 and are based upon the following conditions:

1. The geologic conditions at the well sites include a cover of clay-rich geologic materials over the aquifer that is sufficient to retard or prevent the vertical movement of contaminants.
2. None of the human-caused contaminants regulated under the federal Safe Drinking Water Act have been detected at levels indicating that the wells themselves serve to draw contaminants into the aquifer from pumping.
3. Water samples were collected from Montrose Wells 4, 5, and 6 were analyzed for tritium (Well #4), nitrate, chloride, and bromide (Table 2). No tritium or nitrate was detected, and the groundwater age classification based on the tritium result is mostly premodern (MDNR and MDH, 2020). This confirms the non-vulnerable nature of the wells (Alexander and Alexander, 1989) . In addition, the chloride and bromide results confirm that the wells have not been impacted by land-use activities (Mullaney et. al, 2009).

Assessment of Drinking Water Supply Management Area Vulnerability

The DWSMA vulnerability is shown in Figure 1 and is based upon the following information:

1) Isotopic and water chemistry data from wells located within the DWSMA indicate that the aquifer contains water that has no detectable levels of tritium or human-caused contamination.

2) Review of the geologic logs contained in the CWI database, geological maps, and reports indicate that the aquifer exhibits a low geologic sensitivity throughout the DWSMA and is isolated from the direct vertical recharge of surface water.

Therefore, given the information currently available, it is prudent to assign a low vulnerability rating to the DWSMA, in accordance with the Minnesota Wellhead Protection Rule (parts 4720.5100 to 4720.5590) (Barry 2018).

Recommendations

The following recommendations have been generated to inform the next amendment of the city of Montrose's Wellhead Protection Plan.

1. Well Locating: This delineation is based on very little well data. If wells are constructed within two-miles of the city or one mile of the DWSMA, their locations should be verified. This information may allow a better understanding of the extent and thickness of the city's aquifers and could result in a more refined WHPA in the future.
2. Water Quality Monitoring: The standard assessment monitoring package (which includes tritium, stable isotopes, and general chemistry suite) should be analyzed at all primary wells during year six, contingent on funding assistance from MDH for sampling and analysis. The city may need to collect the samples and ship them to MDH. Information generated by this sampling will be used to refine vulnerability assessments for the next amendment.
3. Aquifer Testing: Performing an aquifer test at the city wells might help to refine the hydraulic conductivity of the aquifer near the wells and confirm any potential geologic barriers for the next amendment. There are specific water system requirements for conducting a successful aquifer test, these should be discussed with the MDH hydrologist before committing to this option to ensure all requirements can be met. Any costs that might be associated with this activity could be eligible for a Source Water Protection Implementation Grant if this measure is included in the city's wellhead protection plan.

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Figures

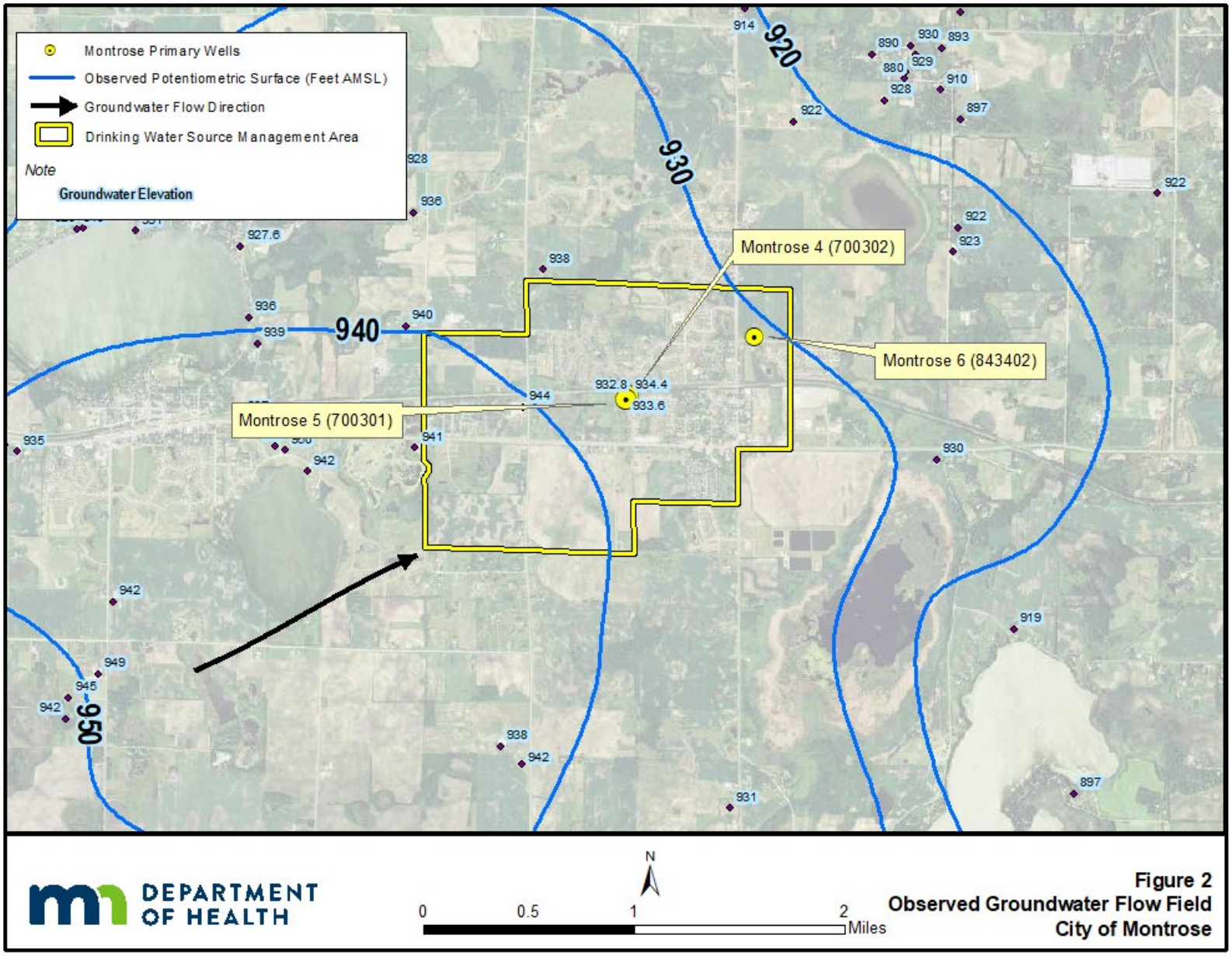
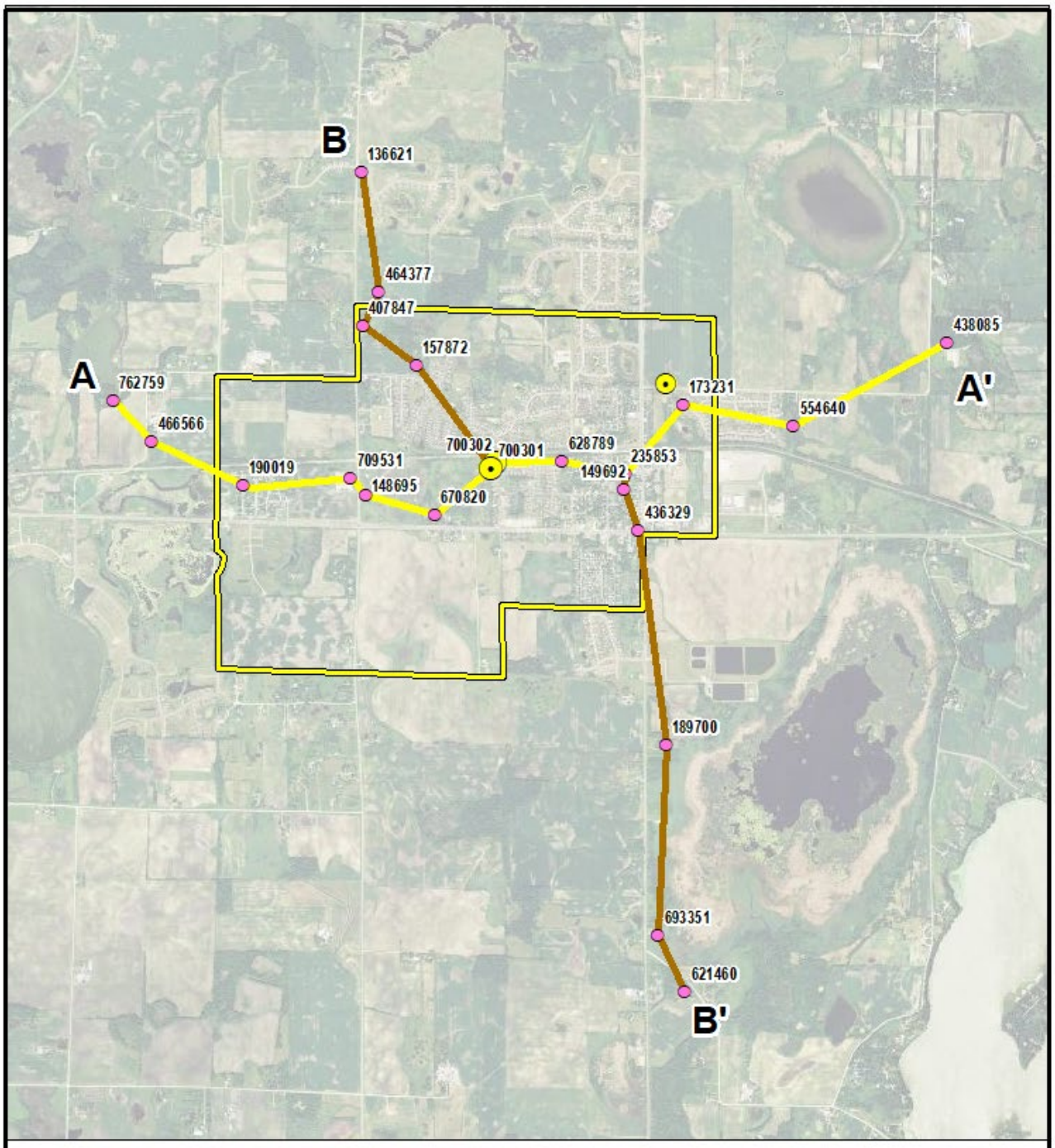
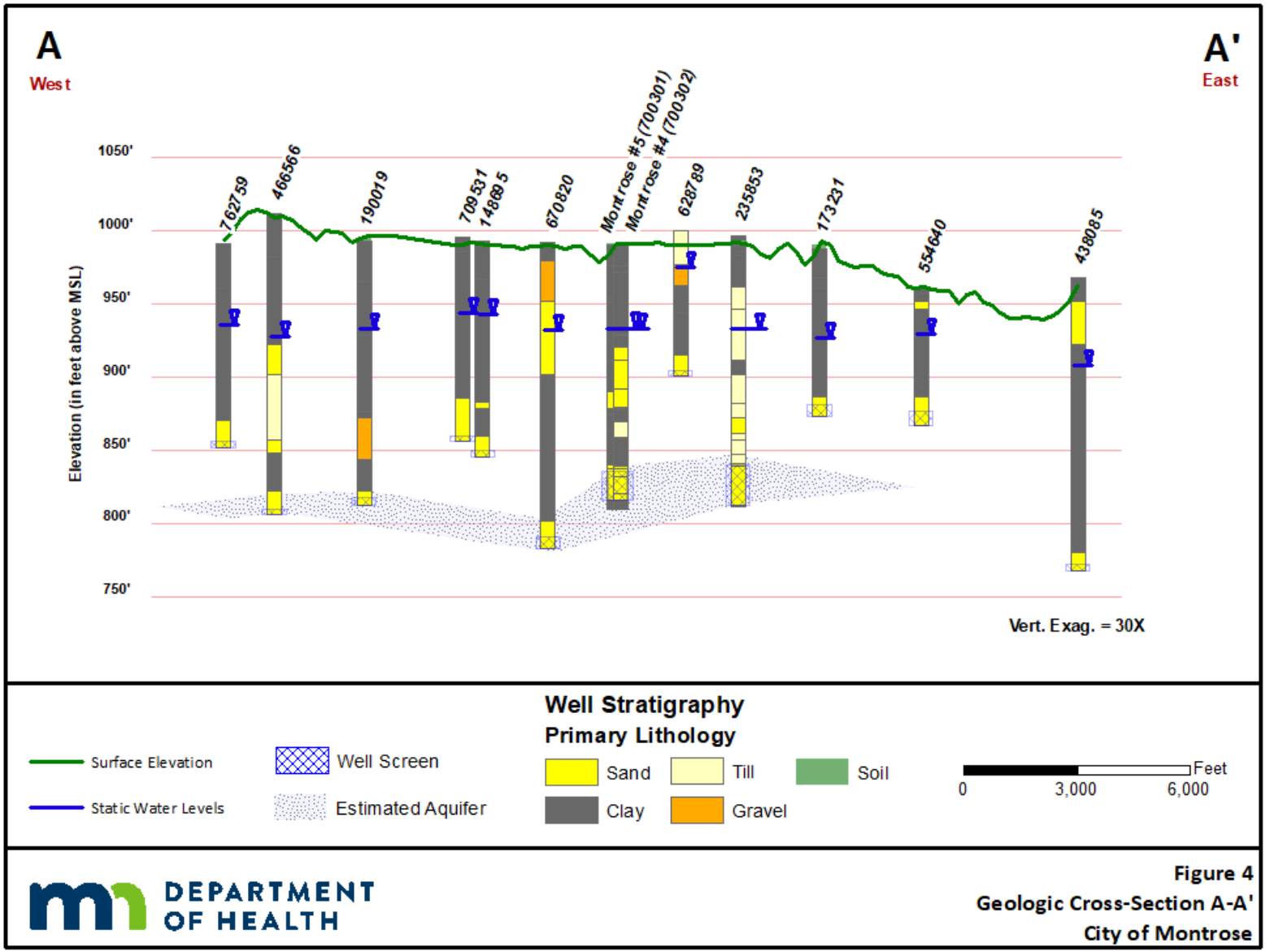


Figure 2
Observed Groundwater Flow Field
City of Montrose



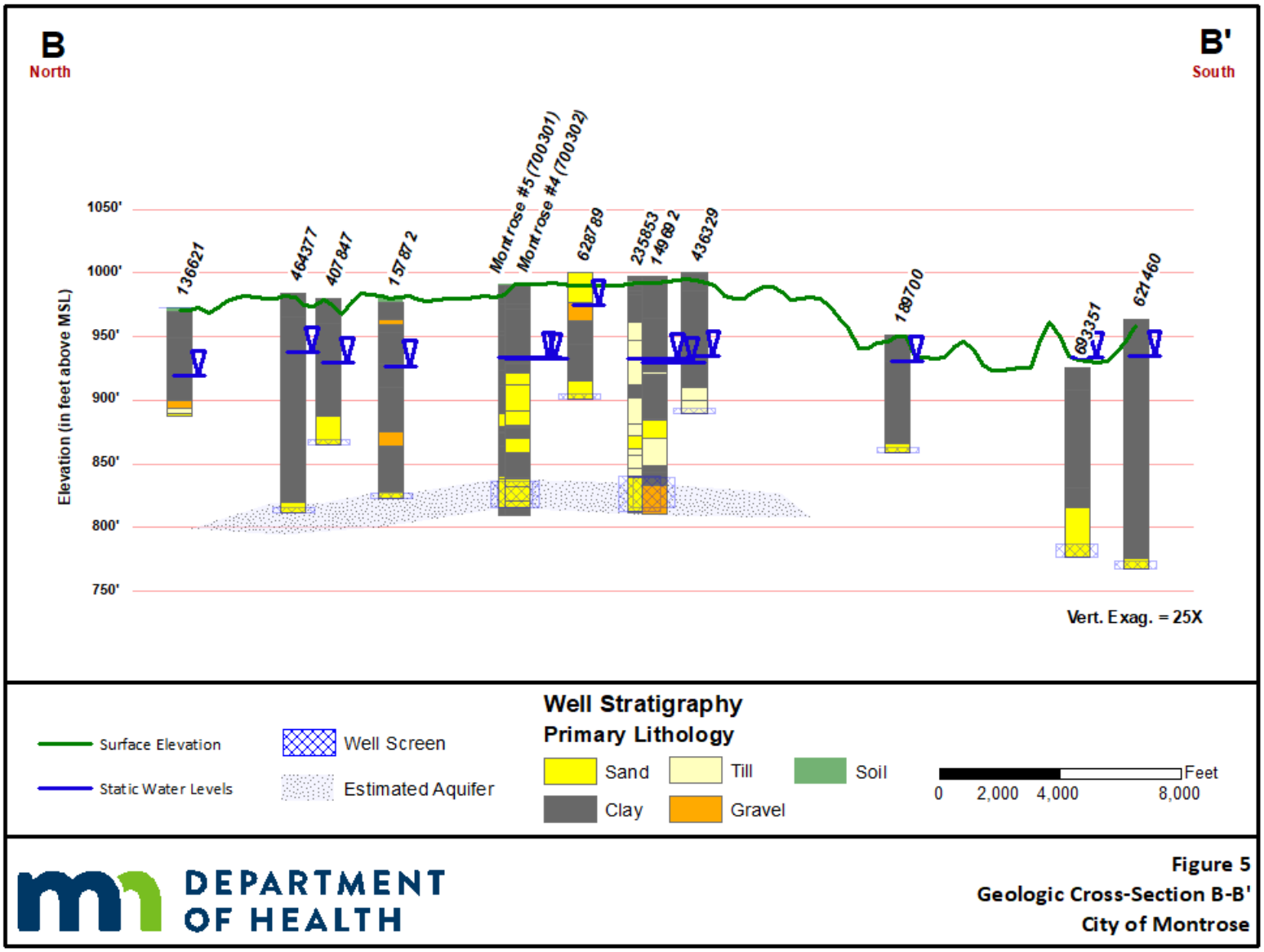
DEPARTMENT OF HEALTH

Figure 3
Trends of Geologic Cross-Sections
City of Montrose



DEPARTMENT OF HEALTH

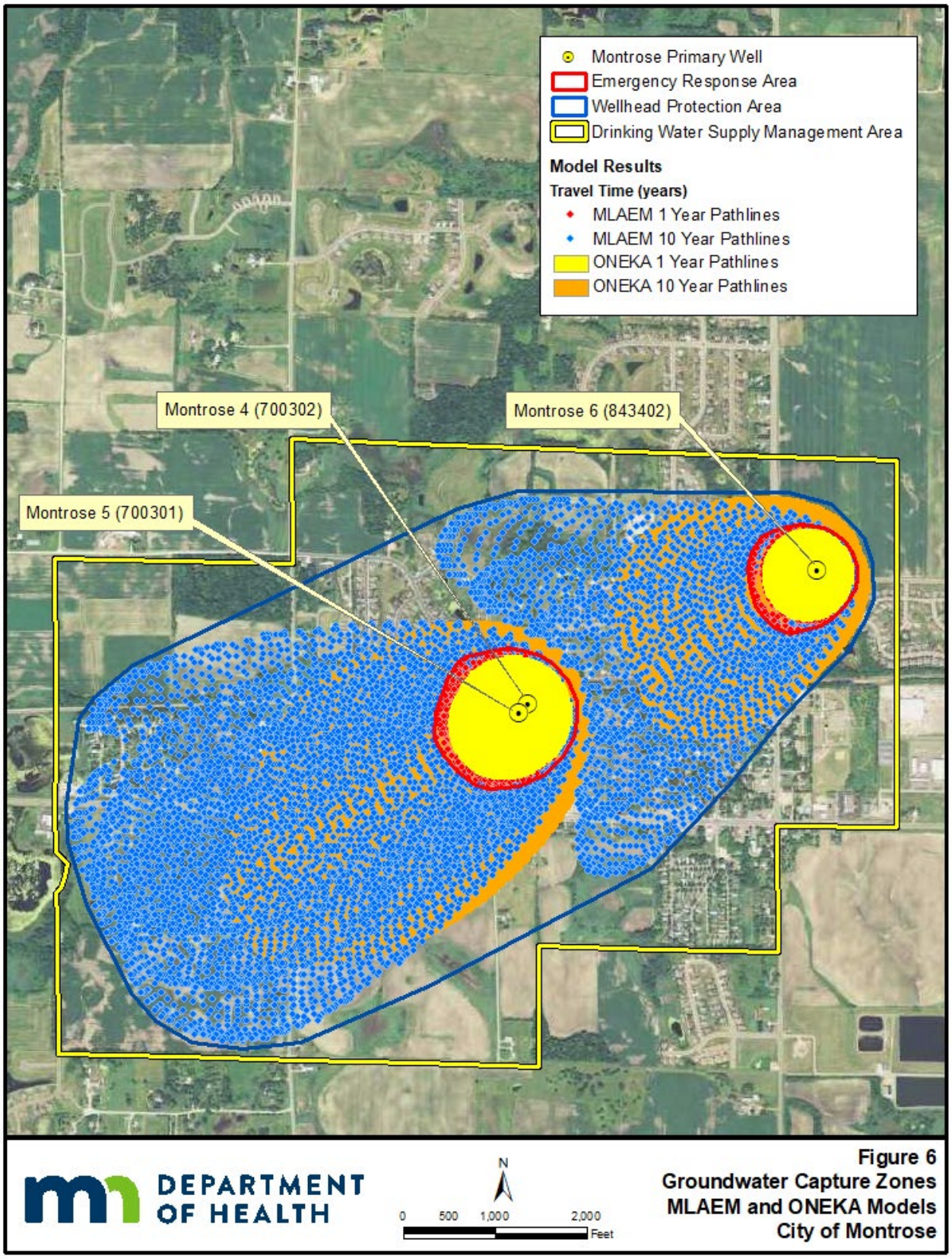
Figure 4
Geologic Cross-Section A-A'
City of Montrose



DEPARTMENT OF HEALTH

Figure 5
Geologic Cross-Section B-B'
City of Montrose

Map showing uncertainty analysis



Appendix A: Data Elements Assessment

Data Type	Data Element	Use of the Well(s)	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	Data Source
Climate	Precipitation					
Geology	Maps and geologic descriptions	M	H	H	H	USGS, MGS, DNR
Geology	Subsurface data	M	H	H	H	MGS, MDH
Geology	Borehole geophysics	M	H	H	H	Not Available
Geology	Surface geophysics	L	L	L	L	Not Available
Soils	Maps and soil descriptions					
Soils	Eroding lands					
Water Resources	Watershed units					
Water Resources	List of public waters					
Water Resources	Shoreland classifications					
Water Resources	Wetlands map					
Water Resources	Floodplain map					
Land Use	Parcel boundaries map	L	H	L	L	Wright County
Land Use	Political boundaries map	L	H	L	L	MnGEO
Land Use	Public Land Survey map	L	H	L	L	MnGEO
Land Use	Land use map and inventory					
Land Use	Comprehensive land use map					
Land Use	Zoning map					
Public Utility Services	Transportation routes and corridors	L	L	L	L	MnDOT, MnGEO
Public Utility Services	Storm/sanitary sewers and PWS system map					
Public Utility Services	Oil and gas pipelines map					
Public Utility Services	Public drainage systems map or list					
Public Utility Services	Records of well construction, maintenance, and use	H	H	H	H	City of Montrose, CWI, MDH
Surface Water Quantity	Stream flow data					
Surface Water Quantity	Ordinary high water mark data					
Surface Water Quantity	Permitted withdrawals					

Data Type	Data Element	Use of the Well(s)	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	Data Source
Surface Water Quantity	Protected levels/flows					
Surface Water Quantity	Water use conflicts					
Groundwater Quantity	Permitted withdrawals	H	H	H	H	DNR
Groundwater Quantity	Groundwater use conflicts	H	H	H	H	DNR
Groundwater Quantity	Water Levels	H	H	H	H	MDH, MGS, DNR
Surface Water Quality	Stream and lake water quality management classifications					
Surface Water Quality	Monitoring data summary					
Groundwater Quality	Monitoring data	H	H	H	H	MDH
Groundwater Quality	Isotopic data	H	H	H	H	MDH
Groundwater Quality	Tracer studies	H	H	H	H	Not Available
Groundwater Quality	Contamination site data	M	M	M	M	Not Available
Groundwater Quality	Property audit data from contamination sites					
Groundwater Quality	MPCA and MDA spills/release reports	M	M	M	M	Not Available

Definitions Used for Assessing Data Elements

- High (H): the data element has a direct impact
- Moderate (M): the data element has an indirect or marginal impact
- Low (L): the data element has little if any impact
- Shaded: the data element was not required by MDH for preparing this delineation

Acronyms used in this report are listed after the Glossary of Terms.

DEPARTMENT OF HEALTH

Protecting, Maintaining and Improving the Health of All Minnesotans

April 29, 2021

Mr. Wayne McCormick, Director of Public Works
City of Montrose
P.O. Box 25
Montrose, Minnesota 55363

Dear Mr. McCormick,

Subject: Scoping Decision Notice No. 1 for the City of Montrose, PWSID 1860016

This letter provides notice of the results of the Scoping 1 meeting held with you, Robyn Hoerr (Minnesota Rural Water Association), Luke Pickman, Chad Anderson, and me (Minnesota Department of Health) on April 8, 2021 regarding wellhead protection planning. During the meeting, we discussed the preparation of Part I of a Wellhead Protection Plan that will document the 1) delineation of a wellhead protection area, 2) delineation of a drinking water supply management area, and 3) assessments of well and aquifer vulnerability related to these areas for the primary water supply wells that are used by the city of Montrose. The wellhead protection area is the surface and subsurface area surrounding your public water supply wells through which contaminants are likely to move and affect your drinking water supply. The drinking water supply management area is the area delineated using identifiable landmarks that reflect the wellhead protection area boundaries as closely as possible.

According to the state wellhead protection rule, the city will have until February 25, 2024, to complete its entire Wellhead Protection Plan, Part I and Part II. As we discussed, the rule describes the criteria used for determining the time period for completion of the Wellhead Protection Plan (Minnesota Rules, part 4720.5130). The Minnesota Department of Health (MDH) highly recommends that half of the time allotted be dedicated to completing Part II of the plan.

It is our understanding that MDH will assist the city with the preparation of its Part I report. There will be no cost to the city for any involvement by MDH staff with this work. It will be the responsibility of the city of Montrose to assist with the data collection to aid in the delineation and vulnerability assessments.

At our meeting, we discussed rule requirements and the types of information needed to prepare the Part I report. The Wellhead Protection Plan must be prepared in accordance with Minnesota Rules, parts 4720.5100 to 4720.5590. General wellhead protection requirements and criteria for delineating the wellhead protection area and data reporting are presented in Minnesota Rules, parts 4720.5500 to 4720.5510.

The enclosed Scoping Decision Notice No. 1 formally identifies the information that the city must provide to MDH to meet rule requirements for preparing Part I of the Wellhead Protection Plan. The wellhead rule refers to the existing information required for wellhead planning as data elements. Much of this information is

available in the public domain, as described in the Scoping Decision Notice No. 1 form. You only need to provide the information that is not in the public domain and, therefore, not available to MDH. The Scoping Decision Notice No. 1 form also 1) lists the Minnesota unique well number and well construction for each well that will be included in the Wellhead Protection Plan [Table 1], 2) lists the pumping volumes for each well [Table 2], and 3) includes a map of the well locations. A summary of the information that the city needs to provide is included at the end of the Scoping Decision Notice No. 1 form.

After the delineation has been completed, we would like to meet with you to discuss the wellhead area delineation and the boundaries of the drinking water supply management area. The boundaries of the drinking water supply management area use streets, roads, section lines, or other features that the public can easily understand for referencing the areas that will be included in the city's Wellhead Protection Plan.

Finally, it is our understanding that you will serve officially as the wellhead protection manager on behalf of the city. You are responsible for providing written notice to local units of government of the city's intent to develop the Wellhead Protection Plan, as required by the wellhead protection rule (part 4720.5300, subpart 3). A copy of this notice should be forwarded to MDH and must include a list of the city wells, their unique well numbers, and contact information for you as wellhead protection manager. Robyn Hoerr can provide you with some examples of the notification of intent that other communities have used. Please contact her at 218- 821-5028.

In closing, we look forward to working with you on completion of your Wellhead Protection Plan. If you have any questions regarding our comments, please contact me at 651-201-4658 or at john.woodside@state.mn.us.

Sincerely,

John Woodside, P.G. Hydrologist
Source Water Protection Unit
Environmental Health Division
P.O. Box 64975
St. Paul, Minnesota 55164-0975

JW:ds-b
Enclosures: Scoping Decision Notice No. 1, Summary of Data Requested, Table 1 - Public Water Supply Well Information, Table 2 - Annual Volume of Water Pumped From PWS Wells, Map of Well Location(s)
cc: Chad Anderson, Planner, MDH St Cloud District Office
Robyn Hoerr, Planner, Minnesota Rural Water Association

SCOPING DECISION NOTICE No. 1

The purpose for the first Scoping Meeting, as required by Minnesota Rules, part 4720.5310, is to discuss the information necessary for preparing the Part I Report of a Wellhead Protection Plan. The Part I Report identifies the area that provides the source of drinking water for the public water supply (PWS) so that the PWS can develop land use or management practices to protect their groundwater resource from contamination. Specifically, the Part I Report documents the delineation of the wellhead protection area (WHPA), the delineation of the drinking water supply management area (DWSMA), and assesses the vulnerability of the PWS well(s) and DWSMA.

The wellhead rule (Minnesota Rules, part 4720.5310) refers to the information required for wellhead planning as data elements. This form lists the data elements that are stated in Minnesota Rules, part 4750.5400. The Minnesota Department of Health (MDH) uses this form to designate which data elements are needed to prepare the Part I Report, based on the hydrogeological setting, vulnerability of the well(s), and aquifer information known at the time of the Scoping 1 Meeting.

Name of Public Water Supply:			**Date:**
City of Montrose PWSID 1860016			April 29, 2021
Name of the Wellhead Protection Manager:			
Mr. Wayne McCormick, Public Works Director			
Address:	**City:**	**Zip:**	
P.O. Box 25	Montrose	55363	
Unique Well Numbers:			**Phone**
700302 (Well #4), 700301 (Well #5), 843402 (Well #6)			(763) 575-7467

Instructions for Completing the Scoping No. 1 Form

N	D	V	S	
X				**N =** If this box is checked with an "X," this data element is **NOT** necessary for the **Part I Report** of your Wellhead Protection Plan. This data element may be identified later at the Scoping 2 Meeting and used for the Part 2 Report. Please go to the next data element.

N	D	V	S	
	X			**D =** If this box is checked with an "X," the preparer of the Part I Report is **required** to use this information for the **DELINEATION** of the WHPA or the DWSMA. If there is no check in the "S" box, this information is available in the public domain or is on-file at MDH.

N	D	V	S	
		X		**V =** If this box is checked with an "X," the preparer of the Part I Report is **required** to use this information for the **VULNERABILITY** assessment of the PWS well(s) or the DWSMA. If there is no check in the "S" box, this information is available in the public domain or is on-file at MDH.

N	D	V	S	
			X	**S =** If this box is checked with an "X," the PWS **must SUBMIT** the information to MDH.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT

A. PRECIPITATION

N	D	V	S	
X				A.1: An existing map or list of local precipitation gauging stations.

Technical Assistance Comments:

N	D	V	S	
X				A.2: An existing table showing the average monthly and annual precipitation, in inches, for the preceding five years.

Technical Assistance Comments:

B. GEOLOGY

N	D	V	S	
	X	X	X	B.1: An existing geologic map and a description of the geology, including aquifers, confining layers, recharge areas, discharge areas, sensitive areas as defined in Minnesota Statutes, section 103H.005, subdivision 13, and groundwater flow characteristics.

Technical Assistance Comments: Information of this type is required to characterize the geologic and hydrogeologic setting of the PWS well field(s). This information is used to define aquifer geometry, location and magnitude of the recharge and discharge areas, and groundwater flow information. Aquifer tests or alternatives listed in MN Rules, part 4720.5510, subpart 6, can be used to help characterize flow in the aquifer. Reference all information used to develop the conceptual model of the geologic setting and submit to MDH only the information that is not available in the public domain.

N	D	V	S	
	X	X	X	B.2: Existing records of the geologic materials penetrated by wells, borings, exploration test holes, or excavations, including those submitted to the department.

Technical Assistance Comments: Information of this type may be useful to refine the understanding of the geologic and hydrogeologic setting on a local basis. Submit only if the PWS or city has information of test drilling or site investigations conducted by the city that is not available in the public domain.

N	D	V	S	
X			X	B.3: Existing borehole geophysical records from wells, borings, and exploration test holes.

Technical Assistance Comments: Information from geophysical records may provide additional information about aquifer thickness, well construction, and water level information at a local scale. Submit only if the information is not available in the public domain.

N	D	V	S	
X			X	B.4: Existing surface geophysical studies.

Technical Assistance Comments: Information from geophysical studies may be useful to refine the understanding of the geology on a local basis. Submit only if the information is not available in the public domain.

C. SOILS

N	D	V	S	
X				C.1: Existing maps of the soils and a description of soil infiltration characteristics.

Technical Assistance Comments:

N	D	V	S	
X				C.2: A description or an existing map of known eroding lands that are causing sedimentation problems.

Technical Assistance Comments:

D. WATER RESOURCES				
N	**D**	**V**	**S**	D.1: An existing map of the boundaries and flow directions of major watershed units and minor watershed units.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	D.2: An existing map and a list of public waters as defined in Minnesota Statutes, section 103G.005, subdivision 15, and public drainage ditches.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	D.3: The shoreland classifications of the public waters listed under sub-item (2), pursuant to part 6120.3000 and Minnesota Statutes, sections 103F.201 to 103F.221.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	D.4: An existing map of wetlands regulated under Chapter 8420 and Minnesota Statutes, section 103G.221 to 103G.2373.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	D.5: An existing map showing those areas delineated as floodplain by existing local ordinances.
X				
Technical Assistance Comments:				

DATA ELEMENTS ABOUT THE LAND USE

E. LAND USE				
N	**D**	**V**	**S**	E.1: An existing map of parcel boundaries.
	X			
Technical Assistance Comments: This information may be helpful in delineating the DWSMA, if available. If this information is provided, identification numbers must be provided for each parcel. An electronic format for the map is preferable.				
N	**D**	**V**	**S**	E.2: An existing map of political boundaries.
	X		**X**	
Technical Assistance Comments: Provide this information if the boundaries have been updated/changed. This information may help delineate the DWSMA. An electronic format for the map is preferable.				
N	**D**	**V**	**S**	E.3: An existing map of public land surveys, including township, range, and section.
	X			
Technical Assistance Comments: This information is available in the public domain and may be used to delineate the DWSMA.				
N	**D**	**V**	**S**	E.4: A map and an inventory of the current and historical agricultural, residential, commercial, industrial, recreational, and institutional land uses and potential contaminant sources.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	E.5: An existing, comprehensive land-use map.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	E.6: Existing zoning map.
X				
Technical Assistance Comments:				

F. PUBLIC UTILITY SERVICES				
N	**D**	**V**	**S**	F.1: An existing map of transportation routes or corridors.
	X			
Technical Assistance Comments: This information is available in the public domain and may be used to delineate the DWSMA.				
N	**D**	**V**	**S**	F.2: An existing map of storm sewers, sanitary sewers, and the public water supply systems.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	F.3: An existing map of gas and oil pipelines used by gas and oil suppliers.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	F.4: An existing map or list of public drainage systems.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	F.5: An existing record of construction, maintenance, and use of the public water supply well(s) and other wells within the drinking water supply management area.
	X	**X**	**X**	
Technical Assistance Comments: If the information is different than that on-file with MDH, please provide 1) the pumping rates for the current and previous years, and the projected annual pumping rates for the next five years for each well in the PWS; and 2) well record(s) for the PWS well(s). Information about the PWS well(s) may affect the vulnerability assessment due to rehabilitation/reconstruction of a well or changes in pumping rates.				

DATA ELEMENTS ABOUT WATER QUANTITY

G. SURFACE WATER QUANTITY				
N	**D**	**V**	**S**	G.1: An existing description of high, mean, and low flows on streams.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	G.2: An existing list of lakes where the state has established ordinary high water marks.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	G.3: An existing list of permitted withdrawals from lakes and streams, including source, use, and amounts withdrawn.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	G.4: An existing list of lakes and streams for which state protected levels or flows have been established.
X				
Technical Assistance Comments:				
N	**D**	**V**	**S**	G.5: An existing description of known water-use conflicts, including those caused by groundwater pumping.
X				
Technical Assistance Comments:				

H. GROUNDWATER QUANTITY

N	D	V	S	
	X	X		H.1: An existing list of wells covered by state appropriation permits, including amounts of water appropriated, type of use, and aquifer source.

Technical Assistance Comments: Submit this information for wells that are not permitted by the DNR because this information may be useful in identifying the hydrologic boundary conditions that could affect the size and shape of the WHPA boundaries.

N	D	V	S	
	X	X	X	H.2: An existing description of known well interference problems and water-use conflicts.

Technical Assistance Comments: Notify MDH of well interference problems of which the PWS is aware. Interference problems with other wells, if present, likely indicate a hydrologic boundary that would need to be considered in making the WHPA delineation.

N	D	V	S	
	X	X	X	H.3: An existing list of state environmental boreholes, including unique well number, aquifer measured, years of record, and average monthly levels.

Technical Assistance Comments: Only submit monthly water level measurements (with unique well numbers and dates) if this information is not available in the public domain.

DATA ELEMENTS ABOUT WATER QUALITY

I. SURFACE WATER QUALITY

N	D	V	S	
X				I.1: An existing map or list of the state water quality management classification for each stream and lake.

Technical Assistance Comments:

N	D	V	S	
X				I.2: An existing summary of lake and stream water quality monitoring data, including: 1. bacteriological contamination indicators; 2. inorganic chemicals; 3. organic chemicals; 4. sedimentation; 5. dissolved oxygen; and 6. excessive growth or deficiency of aquatic plants.

Technical Assistance Comments:

J. GROUNDWATER QUALITY

N	D	V	S	
	X	X	X	J.1: An existing summary of water quality data, including: 1) bacteriological contamination indicators; 2) inorganic chemicals; and 3) organic chemicals.

Technical Assistance Comments: Submit if the PWS has information that is not available in the public domain, because the information may help explain groundwater flow paths.

N	D	V	S	
	X	X	X	J.2: An existing list of water chemistry and isotopic data from wells, springs, or other groundwater sampling points.

Technical Assistance Comments: Submit if the PWS has information that is not available in the public domain, because the information may help explain groundwater flow paths.

N	D	V	S	
	X	X	X	J.3: An existing report of groundwater tracer studies.

Technical Assistance Comments: Submit if the PWS has information that is not available in the public domain, because the information may help explain groundwater flow paths.

N	D	V	S	
		X	X	J.4: An existing site study and well water analysis of known areas of groundwater contamination.

Technical Assistance Comments: Submit if the PWS has information on contaminant sources not available in the public domain, because these reports may contain additional geologic or hydrogeologic information.

N	D	V	S	
X				J.5: An existing property audit identifying contamination.

Technical Assistance Comments:

N	D	V	S	
	X	X		J.6: An existing report to the Minnesota Department of Agriculture and the Minnesota Pollution Control Agency of contaminant spills and releases.

Technical Assistance Comments: Notify MDH of reports on spills or contaminant releases that are on-file with the PWS or city but are not in the public domain. These reports do not need to be submitted but MDH staff would like to review the reports.

City of Montrose Summary of Data Request
Specific Data to be Provided to MDH by PWS

As discussed during the first Scoping Meeting on April 8, 2021, the public water supply (PWS) will provide the following information for Part I of their Wellhead Protection Plan to the Minnesota Department of Health. The number of the data element that refers to the information needed to prepare the Part I Report is listed in the parenthesis at the end of each request.

1) Municipal well information: Use Tables 1 and 2, the well records for the PWS well(s), and a map showing the location(s) of all the PWS well(s), to review the accuracy of 1) all PWS well construction, 2) well locations, and 3) pumping information. (F.5)

   Table 1 lists well use and construction for each of the PWS wells. Have you reconstructed any wells? Are there well records for reconstructed wells?

   The enclosed map shows the locations of the primary public water supply wells and emergency backup wells. Please let us know if you feel the wells are not correctly located. These locations must be used to delineate your wellhead protection areas.

   Table 2 shows the available pumping information and indicates what information the PWS needs to provide for the delineation of the capture zone. Please provide 1) the pumping data for 2016 that was sent to the Minnesota Department of Natural Resources, 2) whether this rate was measured or estimated, and 3) the projected annual pumping amounts for the next five years.

2) Provide a copy of any aquifer test or specific capacity information for the PWS well(s) that was obtained during well construction, maintenance, or repair. (B.1)

3) Is there an existing map of parcel and/or political boundaries that could be used for defining the Drinking Water Supply Management Area (DWSMA)? If you wish to use parcel lines, please provide the parcel identification number for each parcel boundary along with the map. Have the city boundaries changed? If the city boundaries have changed, please provide the new boundaries. The boundaries of the DWSMA may be larger if political boundaries are used instead of the parcel boundaries. (E.1 and E.2)

4) Are there other private well records, soil boring reports, geophysical studies, or water level measurements in your files that MDH staff did not identify at the scoping meeting and that would be available for MDH staff to review and copy? (B.2, B.3, B.4, and H.3)

5) Identify reports that you have on-file relating to leaks/contamination sites that may be a concern to your drinking water supply that MDH may review and copy. (J.4)

6) Do your files contain water chemistry data, such as bacteria, virus, inorganic, organic, or isotopic results from wells or other groundwater sampling points, that is not currently available to MDH that MDH may review and copy? (J.1 and J.2)

7) Identify reports that you have in your files relating to groundwater tracer studies that have been conducted. (J.3)

8) Provide information about other high-capacity wells in your area that may not be permitted and are not listed on the attached Table 3. (H.1)

9) Describe any conflicts over water use that the PWS has been involved with, such as 1) private wells that went dry (or well interference) or 2) springs or wetlands that were affected. Was the Department of Natural Resources involved in resolving the conflict? (G.5 and H.2)

Table 1 - Public Water Supply Well Information
Montrose, Minnesota

Local Well Name	Unique Number	Use/ Status	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed/ Reconstructed	Well Vulnerability	Aquifer
Well #4	700302	Primary	12	155	175	7/15/2004	Not Vulnerable	Quaternary Buried Artesian Aquifer
Well #5	700301	Primary	12	155	175	7/15/2004	Not Vulnerable	Quaternary Buried Artesian Aquifer
Well #6	843402	Primary	12	145	161	09/18/2019	Not Vulnerable	Quaternary Buried Artesian Aquifer

Source: MN Department of Health – 11/29/2016

Table 2 - Annual Volume of Water Pumped from PWS Wells
(Millions of Gallons)

Well Name/ Number	2016	2017	2018	2019	2020	2025 estimate
Well #4 700302	22.206	22.035	21.379	19.935	34.698	**34.675**
Well #5 700301	21.883	23.136	27.255	25.856	33.495	**34.675**
Well #6 843402	-	-	-	-	5.95	**34.675**

(Expressed as millions of gallons. Bolding indicates greatest annual pumping volume.)

Source: MN Department of Natural Resources Division of Waters - MNDNR Permitting and Reporting System (MPARS) & 2025 water use estimates from City of Montrose Water Supply Plan (2016).

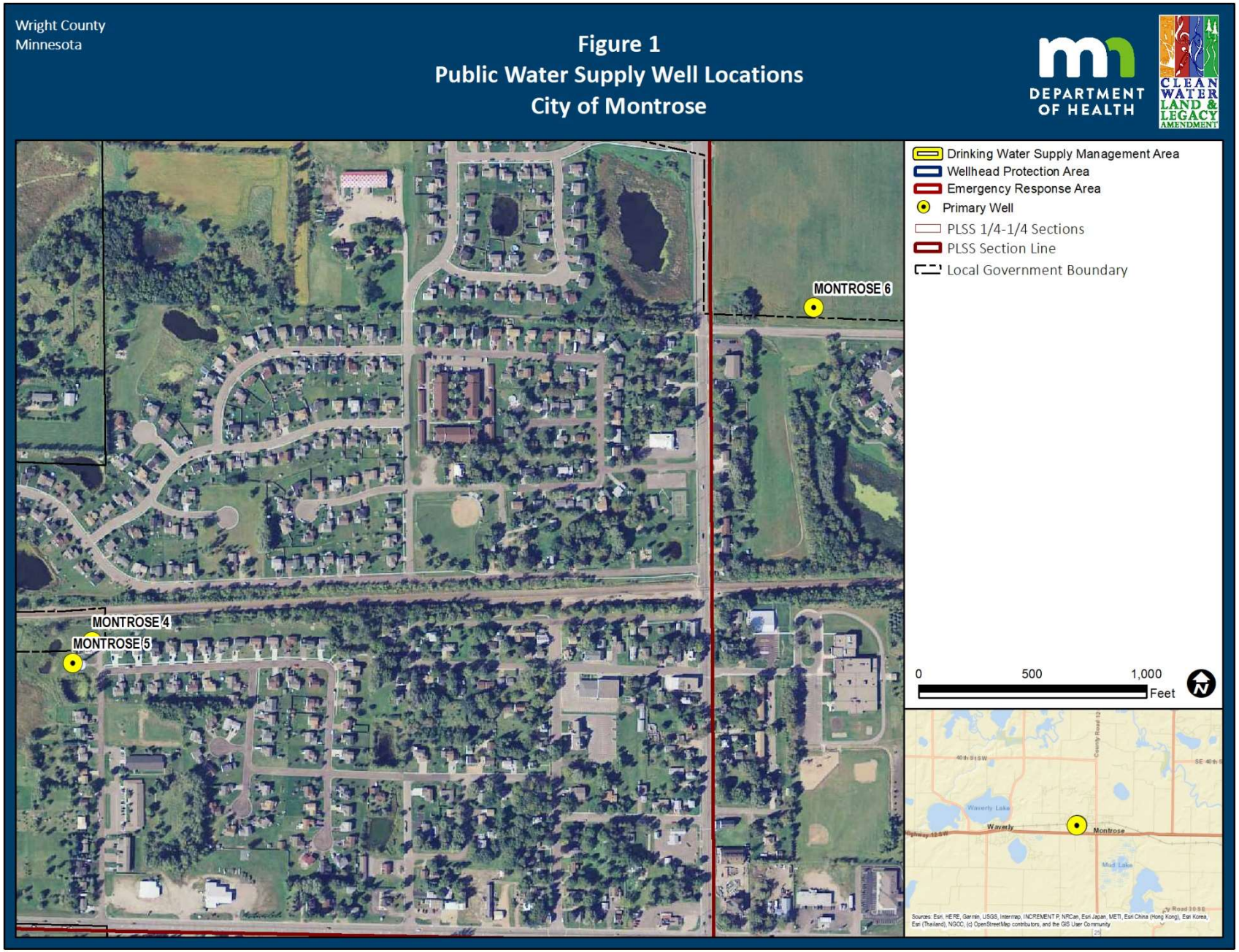
Table 3
Permitted High-Capacity Wells within two miles of located Montrose PWS water sources

Unique Number	Well Name	DNR Permit Number	Aquifer	Use	Annual Volume of Water Pumped [1,2]	5-Year Average Annual Volume of Water Pumped[12]
182086	Waverly, City Of	1975-3023	QBAA	Municipal/Public Water Supply	11.373	11.527
501460	Untiedt, Jerold	1989-3458	QBAA	Agricultural Crop Irrigation	8.2566	8.26633
655162	Untiedt, Susan; Untiedt, Jerold	2003-3135	QBAA	Agricultural Crop Irrigation	2.77305	3.65292
814238	Untiedt, Susan; Untiedt, Jerold	2015-3000	QBAA	Agricultural Crop Irrigation	13.71513	9.661056
680288	Untiedt, Jerold	2004-3183	QBAA	Agricultural Crop Irrigation	3.81555	2.29628
258207	Montrose Investments LLP (12 Hi Mobile Home Park)	1992-3191		Private Water Supply	6.0626	2.78964
503869	Waverly, City Of: 3	1975-3023	QBAA	Municipal/Public Water Supply	1.862	1.1794
466566	Duske, Cliff	2018-0435	QBAA	Livestock Watering	1.92	0.783998
149692	Montrose	1984-3186	QBAA	Municipal/Public Water Supply	0	0

[1] = Expressed as millions of gallons. [2] = Source year: 2019

Source: Minnesota Department of Natural Resources Division of Waters – MNDNR Permitting and Reporting System (MPARS)
GIS Data source: gdb.swp.v_water_mpars_ii_2019_info

Map of Well Locations


Wright County
Minnesota
Figure 1
Public Water Supply Well Locations
City of Montrose
DEPARTMENT OF HEALTH
CLEAN WATER LAND & LEGACY AMENDMENT
MONTROSE 6
MONTROSE 4
MONTROSE 5
Drinking Water Supply Management Area
Wellhead Protection Area
Emergency Response Area
Primary Well
PLSS 1/4-1/4 Sections
PLSS Section Line
Local Government Boundary
0
500
1,000
Feet
Waverly
Montrose

DEPARTMENT OF HEALTH

Protecting, Maintaining and Improving the Health of All Minnesotans

September 27, 2021

Mr. Wayne McCormick, Public Works Director
City of Montrose
P.O. Box 25
Montrose, Minnesota 55363-0025

Subject: Scoping 2 Decision Notice and Meeting Summary – City of Montrose – PWSID 1860016

Dear Mr. McCormick,

This letter provides notice of the results of a scoping meeting held virtually with you, Robyn Hoerr (Minnesota Rural Water Association), and me on September 2, 2021, regarding wellhead protection (WHP) planning. During the meeting, we discussed the data elements that must be compiled and assessed to prepare the part of the WHP plan related to the management of potential contaminants in the approved drinking water supply management area. The enclosed Scoping 2 Decision Notice lists the data elements discussed at the meeting. We also discussed a summary of planning issues and recommendations that were identified during the Part 1 WHP Plan development process which should be considered for inclusion in your Part 2 WHP Plan.

The city of Montrose has met the requirements to distribute copies of the first part of the WHP plan to local units of government and hold an informational meeting for the public. The city of Montrose will have until February 25, 2025, to complete its WHP plan. The city of Montrose was given additional time due to Minnesota Rules, part 4720.5130, subpart 4, items D and E.

MDH understands it has not been determined who will be working with you to develop a draft of the remainder of the WHP plan. I will be contacting you to review the progress of the development of Part 2 of your plan. Upon request, the Technical Assistance Planner can provide a glossary of terminology, identification of information sources for the required Data Elements, and other technical assistance documents. If you have any questions regarding the enclosed notice, contact me by email at john.freitag@state.mn.us or by phone at 651-201-4669.

Sincerely,

John Freitag, Planner
Source Water Protection Unit
Environmental Health Division
P.O. Box 64975
St. Paul, Minnesota 55164-0975

JF:ds-b
Enclosures
cc: Kim Larson, MDH Engineer, MDH St. Cloud District Office
Luke Stuewe, Minnesota Department of Agriculture
Robyn Hoerr, Minnesota Rural Water Association

SCOPING 2 DECISION NOTICE – LOW VULNERABILITY DWSMA

Name of Public Water Supply: City of Montrose

PWSID: 1860016

Name of the Wellhead Protection Manager: Mr. Wayne McCormick, Public Works Director

Address: P.O. Box 25

City: Montrose

Zip: 55363-0025

Phone: 763-238-2388

Primary Unique Well Numbers: 700302 (Well #4), 700301 (Well #5), 843402 (Well #6)

DWSMA Vulnerability: ☒ Low

The purpose for the second scoping meeting, as required by Minnesota Rules, part 4720.5340, is to discuss the information necessary for preparing Part 2 of a Wellhead Protection Plan. The Part 1 Plan identifies the area that provides the source of drinking water for the public water supply (PWS) and assesses how vulnerable that area is to contamination. The PWS can utilize that information to develop land use and management practices that protects their groundwater resource from contamination.

The wellhead rule (Minnesota Rules, part 4720.5340) refers to the information required for wellhead planning as data elements. This notice lists the data elements that are stated in Minnesota Rules, part 4750.5400 and are selected for the PWS because of the low vulnerability of the drinking water supply management area (DWSMA) as determined in Part 1.

Scoping 2 Data Elements Needed for the Part 2

Data Elements are pieces of information in the form of a map, a list, records, tables and inventories. Where appropriate, they should be reviewed and assessed in terms of their present and/or future implications on the 1) use of the well(s), 2) quality and quantity of water supplying the public water supply wells(s), and 3) land and groundwater uses in the DWSMA. It is important to discuss the relevance of the data elements to management of the DWSMA. Check the technical assistance comments for guidance on reviewing the data elements and conducting these assessments. Clearly identify in the plan which data elements are associated with which tables/figures. If a data element does not exist, state that in the narrative.

Submit –

The following information MUST be submitted in the Part 2 by including it in the plan narrative and/or appendix. An asterisk* with red text indicates information that MUST be contained in the Part 2.

- ☐ *A map that indicates the vulnerability and includes the DWSMA, WHP Area, and Emergency Response Area must be included in the Part 2. This map with vulnerability is a product of the Part 1 and provides a basis for planning activities in Part 2. SWP Planner can provide the DWSMA figure.

DATA ELEMENTS ABOUT THE LAND USE –

Land Use

- ☐ *An existing map of political boundaries.
- ☐ *An existing map of public land surveys including township, range, and section.

Technical Assistance Comments: A map or maps showing updated political boundaries and township, range, section with labels is required for determining land use authorities for the land within the DWSMA. DWSMA figure map provided by SWP Planner will also contain political boundaries with township, range, and section. Determine and discuss how the various land use authorities may affect the management of the DWSMA.

- A map and an inventory of the current and historical agricultural, residential, commercial, industrial, recreational, and institutional land uses and potential contaminant sources.
  - ☐ *The Potential Contaminant Source Inventory (PCSI) data in both a table and map format must be created and included in the Part 2. Include potential contaminant sources as listed on the PCSI attachment provided for each existing vulnerability within the DWSMA.
    - Inventory wells greater than 145 feet in depth. Also inventory wells of undocumented or unknown depths.
    - The inventory should include your community wells but not include any wells that are known to have been sealed according to the Minnesota Well Code (MN Rules 4725).
  - ☐ *A land use/land cover map and table. SWP Planner can provide a land cover map and data/table from federal sources. This data set should be used unless an alternative electronic data set that is more current and detailed is available. Assess and discuss changes in land use that could impact management of the DWSMA.

*An inventory of the Inner Wellhead Management Zone (IWMZ). A recent IWMZ inventory (within six years) for each primary well with management recommendations on the MDH form, or a table that summarizes the number and type of contaminant sources with the management recommendations must be included. Incorporate or reference the recommendation(s) from the IWMZ into the Part 2. IWMZ will be completed by the SWP Planner with assistance from the PWS staff. A copy will be provided to the PWS.

Technical Assistance Comments: This section encompasses the Potential Contaminant Source Inventory known as the PCSI. See the Scoping 2 Decision Notice Potential Contaminant Source Inventory Requirement Attachment(s) and endorsement procedures/fact sheets for further information. Utilize the PCSI geo-database attribute template provided by SWP Planner. Management strategies must be developed for potential sources of contamination that pose a risk to the drinking water supply.

- ☐ *An existing comprehensive land-use map.
- ☐ *An existing zoning map.

Technical Assistance Comments: This information can indicate areas in the DWSMA where growth or the addition of potential contaminant sources is likely to occur. Furthermore, the review of local zoning and comprehensive land-use maps facilitates the evaluation of the degree of compatibility current and future land uses have with the PWS goals of protecting the drinking water wells and aquifer.

Required to be discussed in plan -

The following information (if existing) MUST be reviewed and discussed in the development of the Part 2. The Part 2 narrative must contain a description identifying whether/how the information may influence the management of the DWSMA. The data element may be located in the public domain. While the map or document reviewed is not required to be included in the Part 2, the source of the data element must be provided in the plan narrative by indicating a web address or reference to its location.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT –

Water Resources

- An existing map showing those areas delineated as floodplain by existing local ordinances.

Technical Assistance Comments: Assess and describe any issues and management needed in the DWSMA based on the Federal Emergency Management Agency (FEMA) Floodplain 100-year FIRM (Flood Insurance Rate Map) and (or) other State and local floodplain or flooding information. Consult with the WHP Manager to evaluate any potential or historical flooding impacts on the public water supply wells or aquifer. The Inner Well Management Zone report and Sanitary Survey may be used to identify flooding issues and impacts.

DATA ELEMENTS ABOUT THE LAND USE –

Land Use

- An existing map of parcel boundaries.

Technical Assistance Comments: Parcel boundaries may have been used for delineation of the DWSMA in Part 1. In Part 2, parcel identification information must be included or linked and must be used for education or targeting activities or practices in addressing potential contaminants. In the narrative indicate if parcel data is available from the public domain (i.e. county GIS or associated website such as Beacon).

Part 1 -

The following information was reviewed and assessed in Part 1. The Part 1 should be used as a data source for the Part 2. The technical assistance comments provide the requirements for how this information must be discussed and/or included in the Part 2. Include relevant excerpts or summaries from the Part 1 where indicated. Or if the Part 1 is included in the appendix that can be referenced.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT –

- An existing geologic map and a description of the geology, including aquifers, confining layers, recharge areas, discharge areas, sensitive areas as defined in Minnesota Statutes, section 103H.005, subdivision 13, and groundwater flow characteristics.
- Existing records of the geologic materials penetrated by wells, borings, exploration test holes, or excavations, including those submitted to the department.
- Existing borehole geophysical records from wells, borings, and exploration test holes.
- Existing surface geophysical studies.

Technical Assistance Comments: Provide a summary in the plan narrative (few sentences/paragraph) of the Description of the Hydrologic Setting from Part 1. Provide the conclusions regarding the Well and DWSMA Vulnerabilities related to the geologic conditions and how these conditions influence the management of the DWSMA.

DATA ELEMENTS ABOUT THE LAND USE –

Public Utility Services

- An existing record of construction, maintenance, and use of the public water supply well and other wells within the DWSMA.

Technical Assistance Comments: Well construction records indicate what is known about the well(s) and can indicate if the well(s) have structural integrity or groundwater protection issues. Briefly summarize in the plan narrative what is discussed about each well from the Assessment of Well Vulnerability in Part 1.

DATA ELEMENTS ABOUT WATER QUANTITY –

Groundwater Quantity

- An existing list of wells covered by state appropriation permits, including amounts of water appropriated, type of use, and aquifer source.
- An existing description of known well interference problems and water use conflicts.
- An existing list of state environmental bore holes, including unique well number, aquifer measured, years of record, and average monthly levels.

Technical Assistance Comments: This information, if known, was incorporated into the Part 1 and was used to assist in determining hydrologic boundary conditions and area static water levels. In Part 2, information about Department of Natural Resources appropriation permit holders and any known well interference problems or water use conflicts must be discussed, including how this information could affect the management of the DWSMA.

DATA ELEMENTS ABOUT WATER QUALITY –

Groundwater Quality

- An existing summary of water quality data, including: 1. bacteriological contamination indicators; 2. inorganic chemicals; and 3. organic chemicals.
- An existing list of water chemistry and isotopic data from wells, springs, or other groundwater sampling points.
- An existing report of groundwater tracer studies.

Technical Assistance Comments: This information, if known, was incorporated into the Part 1. Provide a summary of the assessment of well vulnerability and/or any relevant chemistry and isotopic composition data available from PWS wells and other wells/sources.

Revision Date: 04/01/2019

City of Montrose Scoping 2 Meeting

Wellhead Protection (WHP) Planning Issues Summary

NOTE: This document is intended to be a summary of issues identified to date and is **not intended to replace the required data elements identified in the Scoping 2 Decision Notice** nor is it intended to be an exhaustive list of all potential drinking water issues.

Drinking Water Protection Issues Identified to Date:

None

Water Quality Detections and Implications:

None

Old Municipal Well Information:

Montrose Well #1 (#218013), Montrose 'Oldest Well', Montrose Creamery Well, Farmers' Co-op Dairy Assoc. Well (interconnected with city supply in 1957), two test wells, Great Northern Railway (potential RR Well).

Sanborn Maps:

☐ Sanborn Maps are available for this area.

☒ Sanborn Maps are not available for this area.

Recommended WHP Measures:

1. Well Locating: This delineation is based on very little well data. If wells are constructed within two-miles of the city or one mile of the DWSMA, their locations should be verified. This information may allow a better understanding of the extent and thickness of the city's aquifers and could result in a more refined WHPA in the future.
2. Water Quality Monitoring: The standard assessment monitoring package (which includes tritium, stable isotopes, and general chemistry suite) should be analyzed at all primary wells during year six, contingent on funding assistance from MDH for sampling and analysis. The city may need to collect the samples and ship them to MDH. Information generated by this sampling will be used to refine vulnerability assessments for the next amendment.

3. Aquifer Testing: Performing an aquifer test at the city wells might help to refine the hydraulic conductivity of the aquifer near the wells and confirm any potential geologic barriers for the next amendment. There are specific water system requirements for conducting a successful aquifer test, these should be discussed with the MDH hydrologist before committing to this option to ensure all requirements can be met. Any costs that might be associated with this activity could be eligible for a Source Water Protection Implementation Grant if this measure is included in the city's wellhead protection plan.

Other: The IWMZ surveys on file were reviewed for issues recorded in these documents. Well #4 (sewer line whose exact location near well is uncertain); Well #5 (need for spill response plan/filling of tanks for generator near well?); Well #6 (No IWMZ completed/new well).

POTENTIAL CONTAMINANT SOURCE INVENTORY - CITY OF MONTROSE

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	PROGRAM_ID	TOTAL	COMMENT	DWS_ID	GW_DWS_VUL
1	211028001010	WINGER, MARK	1881 55TH ST SW	MONTROSE	55363	WEL	A	00742753	1	Domestic 180'	1271	L
2	112500352301	MOY, CHARLES	609 1ST ST N	MONTROSE	55363	WEL	A	00157872	1	Domestic 157' (? seal)	1271	L
3	211000352401	THORESON, LES	210 GARFIELD AVE N	MONTROSE	55363	WEL	A	00525262	1	Domestic 168'	1271	L
4	112500353404	MONTROSE 4	311 BUFFALO AVE S	MONTROSE	55363	WEL	A	00700302	1	Municipal 175'	1271	L
5	112500353404	MONTROSE 5	311 BUFFALO AVE S	MONTROSE	55363	WEL	A	00700301	1	Municipal 175'	1271	L
6	112500362301	MONTROSE 6	311 BUFFALO AVE S	MONTROSE	55363	WEL	A	00843402	1	Municipal 161'	1271	L
8	211000344301	MCHOLLAND-TWISTER	2436 US HWY 12 SW	MONTROSE	55363	WEL	A	00435675	1	Domestic 183' (abandoned)	1271	L
10	211000344304	HUNTER, DEAN	2472 US HWY 12 SW	MONTROSE	55364	WEL	A	00800387	1	Public Supply 175'	1271	L
11	211000344302	12-HI TRAILER COURT	2378 US HWY 12 SW	MONTROSE	55441	WEL	A	00190019	1	Community 182"	1271	L
12	211000344302	12-HI TRAILER COURT	2378 US HWY 12 SW	MONTROSE	55441	WEL	A	00235854	1	Community 186'	1271	L
13	211000344302	12 HI MOBILE HOME PARK 1	2378 US HWY 12 SW	MONTROSE	55441	WEL	A	00258207	1	? Duplicate of 00190019	1271	L
14	211000344302	12 HI MOBILE HOME PARK 2	2378 US HWY 12 SW	MONTROSE	55441	WEL	A	00248147	1	? Duplicate of 00235854	1271	L
16	211000353302	SECORA, JOSEPH	5912 CLEMENTA AVE SW	MONTROSE	55363	WEL	A	00148695	1	Domestic 147'	1271	L
17	211000353405	DREWS, DARIN	1742 US HIGHWAY 12 SW	MONTROSE	55363	WEL	A	00670820	1	Domestic 209'	1271	L
18	112500353401	MILLER, LARRY	1704 US HIGHWAY 12 SW	MONTROSE	55363	WEL	A	00178955	1	Domestic 147'	1271	L
19	220000022100	SCHROEDER, JEANETTE	1665 US HIGHWAY 12 SW	MONTROSE	55363	WEL	A	00555425	1	Domestic 152'	1271	L
20	220000022111	HABSTRETT, RALPH	1621 US HWY 12 SW	MONTROSE	55363	WEL	A	00148433	1	Domestic 145'	1271	L
24	112012004040	MONTROSE 3	311 BUFFALO AVE S	MONTROSE	55363	WEL	A	00149692	1	Municipal 186' (monitoring)	1271	L
25	112012004040	MONTROSE TW	311 BUFFALO AVE S	MONTROSE	55363	WEL	A	00149712	1	Test Well 186' (DNR or seal)	1271	L
27	112500351300	SUPPLY COMPANY	305 EMERSON AVE N	MONTROSE	55416	WEL	U	UNK	1	Unknown well/depth	1271	L
29	112050001010	NORTHERN STATES POWER COMPANY	1000 ENERGY DR	MONTROSE	55401	WEL	U	UNK	1	Unknown well/depth	1271	L
30	112500031400	JOHN B VOSIKA REVOCABLE TRUST	6403 CLEMENTA AVE SW	MONTROSE	55309	WEL	U	UNK	1	Unknown well/depth	1271	L
31	211000344401	MARILYN M GATES	2252 US HIGHWAY 12 SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
32	211000353403	DAVID E DIETZ	1626 US HIGHWAY 12 SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
33	220000022103	CHRISTINA M PLUDE	1739 US HIGHWAY 12 SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
34	220000022104	MATTHEW D & STEPHANIE L BREN	1501 US HIGHWAY 12 SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
35	220000022105	OWEN E & LOIS J KINGSTEDT	1681 US HIGHWAY 12 SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
36	220000022201	WAYNE A & NANCY J OBERLANDER	6488 CLEMENTA AVE SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
37	220000022202	JUSTIN W OBERLANDER	1761 US HIGHWAY 12 SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
38	220000022400	WADE T HEINS	6462 BISHOP AVE SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L
39	220000031101	GERALD R & SUSAN GERARDY	6077 CLEMENTA AVE SW	MONTROSE	55363	WEL	U	UNK	1	Unknown well/depth	1271	L

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112010001010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010001020	EDWARD M ROTHBERG			PO BOX 24	BARNESVILLE	MN	56514	0024
112010001050	DENNIS M KUHLOW		13929 POINT DOUGLAS DR S		HASTINGS	MN	55033	9728
112010001051	ROBIN A MROZEK		130 CENTER AVE N		MONTROSE	MN	55363	
112010002010	JEREMY BREDECK		111 CENTER AVE N		MONTROSE	MN	55363	
112010002011	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010002020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010002030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010002040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010003010	WILBERT J & JOAN A	BAUERNSCHMITT JT REV TR	331 2ND ST S	PO BOX 3	MONTROSE	MN	55363	0003
112010003020	BUNNIE SUE REICH			PO BOX 262	MONTROSE	MN	55363	0262
112010003030	AMY M ROSS		351 2ND ST S		MONTROSE	MN	55363	8584
112010004010	ORMAN RODNINGEN		111 CENTER AVE S	PO BOX 231	MONTROSE	MN	55363	
112010004011	DANIEL WARD			PO BOX 243	MONTROSE	MN	55363	0243
112010004040	DUANE A NOMELAND SR &	JESSICA A TOUSIGNANT-NOMELAND		PO BOX 156	MONTROSE	MN	55363	0156
112010005011	RAYMOND E SKINNER		241 2ND ST S	PO BOX 404	MONTROSE	MN	55363	0404
112010005013	GLORIA ADICKES		231 2ND ST S	PO BOX 4	MONTROSE	MN	55363	0004
112010005015	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460
112010005016	JOSEPH & DEBBIE MAUK		7631 STATE HWY 25 SW		MONTROSE	MN	55363	
112010005017	JOE E & DEBORAH MAUK		7631 STATE HIGHWAY 25 SW		MONTROSE	MN	55363	8522
112010005018	FRANCIS & LORI WILHELM		211 2ND ST S		MONTROSE	MN	55363	
112010005020	SCOTT GERTJEJANSEN		1791 ESTES AVE SW		WAVERLY	MN	55390	5007
112010005040	JASON J NEU		260 1ST ST S		MONTROSE	MN	55363	
112010005041	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010005050	MINNWEST RENTALS LLC		11582 COUNTY ROAD 13 SE		WATERTOWN	MN	55388	8232
112010005051	SAGE A LEE		110 CENTER AVE S	PO BOX 411	MONTROSE	MN	55363	
112010006010	DAVID J ROETZLER		220 2ND ST S	PO BOX 22	MONTROSE	MN	55363	022
112010006011	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460
112010006012	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460
112010006020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010006040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010006050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010006060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010006070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010007010	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460
112010007011	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112010007020	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460
112010007021	ANTHONY H & JODY L CARLSON		230 BUFFALO AVE S		MONTROSE	MN	55363	
112010007030	SCOTT F GERTJEJANSEN &	DENISE J GERTJEJANSEN	1791 ESTES AVE SW		WAVERLY	MN	55390	5007
112010007031	DALE M & SUSAN K TRETTER		250 BUFFALO AVE S	PO BOX 91	MONTROSE	MN	55363	
112010007040	ST PAUL & TRINITY LUTHERAN CH		310 BUFFALO AVE S	PO BOX 306	MONTROSE	MN	55363	0306

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112010007041	JEROME LEE HANSON		260 BUFFALO AVE S		MONTROSE	MN	55363	9419
112010008010	LUTHERAN CHURCH		310 BUFFALO AVE S	PO BOX 306	MONTROSE	MN	55363	0306
112010008030	ROBERT A CHANTLAND		350 BUFFALO AVE S	PO BOX 429	MONTROSE	MN	55363	
112010008040	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112011000021	CRAIG A & MARY A PROBST		110 BUFFALO AVE N		MONTROSE	MN	55363	
112011000022	LILLIAN D REINHART		130 BUFFALO AVE N		MONTROSE	MN	55363	8539
112011000030	SHELBY L GEHRKE &	DANIEL G PROBST	150 BUFFALO AVE N		MONTROSE	MN	55363	0201
112011000040	JEFFREY E & CHRISTINE MATTSON		170 BUFFALO AVE N		MONTROSE	MN	55363	
112011000050	KENNETH M HEIDELBERGER		200 BUFFALO AVE N		MONTROSE	MN	55363	
112011000060	CHARLES J & DENIELLE J HICKMAN		210 BUFFALO AVE N		MONTROSE	MN	55363	
112011000070	DORLYN P & MARGARET CARDINAL		220 BUFFALO AVE N		MONTROSE	MN	55363	
112011000090	DONALD G GUSTAFSON		240 BUFFALO AVE N		MONTROSE	MN	55363	8540
112011000100	A CARLSON PROPERTIES LLC		1038 23RD AVE SW		ROCHESTER	MN	55902	
112012003010	JOEL M MENGELKOCH		340 2ND ST S	PO BOX 513	MONTROSE	MN	55363	0513
112012003011	DAVID MENDEZ &	MALLI MENDEZ	360 2ND ST S		MONTROSE	MN	55363	
112012003012	BEN DAVIS &	TRINA DAVIS	350 2ND ST S		MONTROSE	MN	55363	
112012003020	THERESA A HAYES		370 2ND ST S		MONTROSE	MN	55363	
112012003030	ALEXANDER P & MARCIE K JORDAN		252 36TH ST SW		MONTROSE	MN	55363	5401
112012003031	LESLIE J MATTSON		371 3RD ST S		MONTROSE	MN	55363	8593
112012003032	RICKY J ANDERSON &	BRENDA J LEFFLER		PO BOX 483	MONTROSE	MN	55363	0483
112012003040	ALEXANDER P & MARCIE K JORDAN		252 36TH ST SW		MONTROSE	MN	55363	5401
112012003041	KEVIN J LARSON		331 3RD ST S		MONTROSE	MN	55363	
112012003050	GLORIA E JONES		330 2ND ST S	PO BOX 134	MONTROSE	MN	55363	0134
112012003060	PAUL MERZ		10814 FENNER AVE SE		DELANO	MN	55328	
112012003061	TRIPLETT RESTORATIONS LLC		2222 COPELAND RD		MAPLE PLAIN	MN	55359	9396
112012003062	MARK P REICH		320 2ND ST S	PO BOX 354	MONTROSE	MN	55363	0354
112012003070	TERRANCE M KUEHN		2408 ECKERT AVE SE		BUFFALO	MN	55313	5206
112012003071	JASON F & ALICE M BARRICK		221 CENTER AVE S	PO BOX 321	MONTROSE	MN	55363	0321
112012003080	THOMAS E GOEB		241 CENTER AVE S	PO BOX 84	MONTROSE	MN	55363	0084
112012003081	SCOTT GERTJEJANSEN		1791 ESTES AVE SW		WAVERLY	MN	55390	5007
112012003082	RYAN R HATCHER		311 3RD ST S	PO BOX 11	MONTROSE	MN	55363	
112012003083	RYAN R HATCHER		311 3RD ST S	PO BOX 11	MONTROSE	MN	55363	
112012004010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012004012	MONTROSE METHODIST CHURCH INC	%ANGIE FERRELL	201 DRESDEN ALCOVE		WAVERLY	MN	55390	5421
112012004020	IRENE M BUFFIE TRUST		6850 NYLE CT		ROCKFORD	MN	55373	9541
112012004030	DANIEL J STOKES		1085 2ND ST SW		DELANO	MN	55328	2838
112012004031	CRAIG & EDIE BREN		275 3RD ST S		MONTROSE	MN	55363	
112012004040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012004041	THOMAS W POTTER REVOCABLE TR		6531 DEVONSHIRE DR		CHANHASSEN	MN	55317	7541
112012004042	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012004050	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112012004061	DONALD A & AMY L CARDINAL		251 BUFFALO AVE S	PO BOX 403	MONTROSE	MN	55363	0403
112012004062	MELISSA E DINGMANN		261 BUFFALO AVE S	PO BOX 236	MONTROSE	MN	55363	0236
112012004063	ADAM TEIGLAND &	MEREDITH I STONE-TEIGLAND	271 BUFFALO AVE S		MONTROSE	MN	55363	9419
112012004070	DEBRA K & TERRENCE E MURPHY		281 BUFFALO AVE S	PO BOX 495	MONTROSE	MN	55363	0495
112012004071	SONYA A TOURVILLE			PO BOX 93	MONTROSE	MN	55363	0093
112012005010	SUSAN J HYLLAND			PO BOX 71	MONTROSE	MN	55363	0071
112012005011	JACK L RICHARDT		320 CENTER AVE S		MONTROSE	MN	55363	
112012005012	KAREN L HANSON		300 CENTER AVE S		MONTROSE	MN	55363	8612
112012005021	RUSSELL S HARNOIS &	YEKATERINA HARNOIS	5175 FERN DR		INDEPENDENCE	MN	55357	9508
112012005022	MISSOURI & MINNESOTA POSTAL	HOLDINGS LLC	75 COLUMBIA AVE		CEDARHURST	NY	11516	2011
112012005031	TIMOTHY J DELUDE			PO BOX 423	MONTROSE	MN	55363	0423
112012005032	MISSOURI & MINNESOTA POSTAL	HOLDINGS LLC	75 COLUMBIA AVE		CEDARHURST	NY	11516	2011
112012005033	SUSAN J HYLLAND			PO BOX 71	MONTROSE	MN	55363	0071
112012005050	LUELLA DALCHOW		240 3RD ST S	PO BOX 35	MONTROSE	MN	55363	
112012005051	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012005060	JONATHAN & SHEILA VARNER			PO BOX 2	MONTROSE	MN	55363	
112012005070	PCJ LLC	% JEROLD A UNTIEDT	4750 25TH ST SW		WAVERLY	MN	55390	5025
112012005071	PCJ LLC	% JEROLD A UNTIEDT	4750 25TH ST SW		WAVERLY	MN	55390	5025
112012005080	MICHAEL J EIDE		333 BUFFALO AVE S		MONTROSE	MN	55363	9415
112012005081	MARK KAISER		331 BUFFALO AVE S		MONTROSE	MN	55363	9415
112012005090	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012006020	GORDON & LOIS NOVOTNY		301 CENTER AVE S	PO BOX 183	MONTROSE	MN	55363	
112012006030	MARILYN VALLI TOMPKINS		310 DAKOTA AVE S	PO BOX 184	MONTROSE	MN	55363	
112012006040	COURTNEY S SCOTT &	WESLEY R JASTER	320 DAKOTA AVE S		MONTROSE	MN	55363	
112012006050	CORY D HAUSLADEN &	MANDY M HAUSLADEN	1298 HOYT AVE SW		HOWARD LAKE	MN	55349	4531
112012006060	CORY D HAUSLADEN &	MANDY M HAUSLADEN	1298 HOYT AVE SW		HOWARD LAKE	MN	55349	4531
112012006070	DOUGLAS & MARY VOERDING		315 DAKOTA AVE S	PO BOX 126	MONTROSE	MN	55363	
112012006080	ANDREA L BENJAMIN		325 DAKOTA AVE S	PO BOX 131	MONTROSE	MN	55363	0131
112012006090	MITCH & KAY SIGLOWSKI		335 DAKOTA AVE S	PO BOX 161	MONTROSE	MN	55363	0161
112012006110	KEVIN J GOEB			PO BOX 402	MONTROSE	MN	55363	0402
112012006120	DAVID J & RENEE HAUSLADEN		355 EMERSON AVE S		MONTROSE	MN	55363	8576
112012006140	MELISSA R HAUSLADEN		315 EMERSON AVE N		MONTROSE	MN	55363	8576
112012006150	TRAVIS MILHAUSEN &	LISA M MILHAUSEN	4566 DESOTO AVE SW		WAVERLY	MN	55390	5547
112012006151	TRAVIS MILHAUSEN &	LISA M MILHAUSEN	4566 DESOTO AVE SW		WAVERLY	MN	55390	5547
112012006160	TRAVIS MILHAUSEN &	LISA M MILHAUSEN	4566 DESOTO AVE SW		WAVERLY	MN	55390	5547
112012006170	TORRIE DRAKE SCHMELING &	HAILEY ROSE DREW		365 EMERSON AVE S	MONTROSE	MN	55363	
112012006180	HEMI INVESTMENTS LLC		1421 WOODS CREEK DR		DELANO	MN	55328	9266
112012006190	MARTIN A BAUMAN		351 CENTER AVE S	PO BOX 426	MONTROSE	MN	55363	0426
112012006200	HAL J GALLUS		331 CENTER AVE S	PO BOX 194	MONTROSE	MN	55363	0194
112012006210	TRAVIS MILHAUSEN &	LISA M MILHAUSEN	4566 DESOTO AVE SW		WAVERLY	MN	55390	5547
112012006220	ERIK T MARQUETTE		341 CENTER AVE S		MONTROSE	MN	55363	8612

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112012006230	DEAN J FIX		20709 KEARNEY HILL RD		PFLUGERVILLE	TX	78660	8096
112012006240	SCOTT A & BARBARA C SWANSON			PO BOX 193	MONTROSE	MN	55363	0193
112012006241	MICHAEL W & SARAH A BRENNY		361 NELSON BLVD	PO BOX 272	MONTROSE	MN	55363	0272
112012006250	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012006260	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112012006270	JOHN J ANDRES			PO BOX 514	MONTROSE	MN	55363	0514
112012006271	JOHN HUCKEBY		330 3RD ST S		MONTROSE	MN	55363	8593
112012007010	ROBERT T GRIFFITH			PO BOX 100	WATERTOWN	MN	55388	0100
112012007020	ROBERT T GRIFFITH			PO BOX 100	WATERTOWN	MN	55388	0100
112012007040	GREGG & SUSAN ANDERSON	PROPERTIES LLP	3739 DAKOTA AVE		SAINT LOUIS PARK	MN	55416	
112012007080	2ND PLAN PROPERTIES LLC		355 42ND ST SW		MONTROSE	MN	55363	5405
112012007090	KEYSTONE IX LLC			PO BOX 98	BUFFALO	MN	55313	0098
112012007100	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112012007120	QUINTIN KNUTSON		220 NELSON BLVD		MONTROSE	MN	55363	
112012007121	MARK J & BRENDA L HANSON		4989 ECKERT AVE SE		DELANO	MN	55328	
112012007130	J & C PROP OF MONTROSE LLC	% JOHN FULLER	14925 31ST AVE N		PLYMOUTH	MN	55447	5005
112012007131	MARCELLA DUBBIN		411 BUFFALO AVE S		MONTROSE	MN	55363	
112012007150	WATERTOWN INVESTMENTS LLP			PO BOX 100	WATERTOWN	MN	55388	0100
112012007260	JAMES W WHITE		431 BUFFALO AVE S		MONTROSE	MN	55363	8552
112012007270	LLOYD & JANE THEISEN		451 BUFFALO AVE S		MONTROSE	MN	55363	
112013000010	BAUMANN ENTERPRISES II INC		211 BUFFALO AVE N	PO BOX 308	MONTROSE	MN	55363	0308
112013001010	CHARLES P &KRISTINE A BIRKHOLZ		101 CHARITY LN		MONTROSE	MN	55363	
112013001020	JAMES T & BONITA M KELLY		103 CHARITY LN		MONTROSE	MN	55363	
112013001030	BONNIE A DRIVER		105 CHARITY LN N		MONTROSE	MN	55363	9787
112013001040	MARINA EGGINK		107 CHARITY LN N		MONTROSE	MN	55363	9787
112013001050	JOSHUA & KRISTA TRISCO		109 CHARITY LN N		MONTROSE	MN	55363	9787
112013001060	EVAN K KAKO		111 CHARITY LN		MONTROSE	MN	55363	
112013002010	BRUCE A SCHEIE		134 MINDY LN		MONTROSE	MN	55363	
112013002020	ERWIN R WINTERHALTER		132 MINDY LN		MONTROSE	MN	55363	
112013002030	THOMAS G SMITH		130 MINDY LN		MONTROSE	MN	55363	
112013002040	CURTIS J & TERRI M REUTER		128 MINDY LN		MONTROSE	MN	55363	
112013002050	JASON D & AMY L CHAFFINS		126 SHERRI LN N		MONTROSE	MN	55363	
112013002060	JEFFREY L BUEHL		124 CRYSTAL CT		MONTROSE	MN	55363	
112013002070	LUCAS J RESEMIUS		122 CRYSTAL CT		MONTROSE	MN	55363	9790
112013002080	MICHAEL E & JEANIE D MARKETON		120 CRYSTAL CT		MONTROSE	MN	55363	
112013002090	DARWIN L&WENDY M FARNSWORTH		118 CRYSTAL CT		MONTROSE	MN	55363	
112013002100	ALAN R SALISBURY		116 CRYSTAL CT		MONTROSE	MN	55363	9790
112013002101	DARWIN L&WENDY M FARNSWORTH		118 CRYSTAL CT		MONTROSE	MN	55363	
112013002110	ROBERT MOYNAGH III &	JILL D MCEDWARD	114 CRYSTAL CT		MONTROSE	MN	55363	9790
112013002120	BRUCE A & KAREN M PETERSEN		112 CRYSTAL CT		MONTROSE	MN	55363	
112013002130	RENEE PETERSON		110 CRYSTAL CT		MONTROSE	MN	55363	9790

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112013002140	CORY M RILEA		108 SHERRI LN N		MONTROSE	MN	55363	9788
112013002150	BARBARA A POPE		106 CHARITY LN N		MONTROSE	MN	55363	9786
112013002160	PETER MIANMANUS		104 CHARITY LN N		MONTROSE	MN	55363	
112013002170	CONNIE P GUSTAFSON		102 CHARITY LN		MONTROSE	MN	55363	
112013003010	ADAM WICHMANN		1113 INNSBROOK LN		BUFFALO	MN	55313	1295
112013003011	ADAM WICHMANN		1113 INNSBROOK LN		BUFFALO	MN	55313	1295
112013003020	ANTHONY G MOTZKO		34913 COUNTY ROAD 45		MARCELL	MN	56657	2134
112013003021	KENNETH J & LAURA LANIGAN		149 MINDY LN		MONTROSE	MN	55363	9797
112013003030	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112013003031	KARY BUTCHER		147 MINDY LN		MONTROSE	MN	55363	
112013003040	JESSE B BELTRAN		143 MINDY LN		MONTROSE	MN	55363	9797
112013003041	KATHLEEN M FALKOWSKI-SCOTT			PO BOX 444	MONTROSE	MN	55363	0444
112013003050	ADAM WICHMANN		1113 INNSBROOK LN		BUFFALO	MN	55313	1295
112013003051	TRACY A BOCK&	ROBERT MOYNAGH	139 MINDY LN #B		MONTROSE	MN	55363	
112013003060	ANNA WAHL		137 MINDY LN #B	PO BOX 235	MONTROSE	MN	55363	
112013003061	LORRAINE LAMB		137A MINDY LN		MONTROSE	MN	55363	9797
112013003070	SHARON J OLSON		135 MINDY LN		MONTROSE	MN	55363	9797
112013003080	JOSHUA J KRAMBER		133 MINDY LN		MONTROSE	MN	55363	9797
112013003090	LONNIE & ARLISS JOHNSON		131 MINDY LN		MONTROSE	MN	55363	
112013003100	ROY J JR & DEBRA L HENRY		129 MINDY LN		MONTROSE	MN	55363	
112013003110	LEAH L OTTO		127 MINDY LN		MONTROSE	MN	55363	
112013003120	NORMAN D & NITA K WEEK		125 SHERRI LN N		MONTROSE	MN	55363	
112013003130	DEREK BRAND		123 SHERI LN		MONTROSE	MN	55363	
112013003140	STEVEN E & CATHLINE MORTENSEN		121 SHERRI LN N		MONTROSE	MN	55363	
112013003150	RONALD D & JEANNE M BUUS		119 SHERRI LN N		MONTROSE	MN	55363	
112013003160	DAVID J & RENEE HAUSLADEN		355 EMERSON AVE S		MONTROSE	MN	55363	8576
112013003170	REYNARD A & ROSEMARIE JOHNSON		115 SHERRI LN N		MONTROSE	MN	55363	
112013003180	BRUCE E & NANCY H ADICKES		113 SHERRI LN N		MONTROSE	MN	55363	
112014001010	LAVONNE A SCHRUPP		23834 COUNTY ROAD 7		HUTCHINSON	MN	55350	5514
112014001020	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014001030	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014001040	JOHN E & CARLA M HASS		161 MINDY LN #4		MONTROSE	MN	55363	
112014001050	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014001060	DENNIS J EYOLFSON &	ELIZABETH R EYOLFSON	161 MINDY LN APT 6		MONTROSE	MN	55363	9411
112014001070	JRD REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112014001080	SAGE PROPERTIES LLC		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014001090	LAVONNE A SCHRUPP		23834 COUNTY ROAD 7		HUTCHINSON	MN	55350	5514
112014001100	SAGE PROPERTIES LLC		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014001110	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014001120	SAGE PROPERTIES LLC		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014001130	MOOSE & GOOSE LANDING LLC		927 CIRCLE DR		BUFFALO	MN	55313	9217

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112014001140	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014001150	SAGE PROPERTIES LLC		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014001160	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014001170	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014001180	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014001190	SAGE PROPERTIES LLC		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014002200	LAVONNE A SCHRUPP		23834 COUNTY ROAD 7		HUTCHINSON	MN	55350	5514
112014002210	JRD REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112014002220	ROBERT A WACKER REV TRUST		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014002230	STEVEN BONNICK &	SUSAN K FALLON BONNICK	7330 10TH ST SW		HOWARD LAKE	MN	55349	5100
112014002240	TRACY R GARDNER			PO BOX 796	BUFFALO	MN	55313	0796
112014002250	JONATHAN R DANIELSON		4095 10TH ST NE		BUFFALO	MN	55313	4208
112014002260	WILLIAM T FISHER		8270 PIONEER TRL		LORETTO	MN	55357	9631
112014002270	PATRICIA ERNST		157 MINDY LN APT 27		MONTROSE	MN	55363	9403
112014002280	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014002290	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014002300	GARNET CRANDALL		157 MINDY LN APT 30		MONTROSE	MN	55363	9403
112014002310	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014002320	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014002330	NICK CURTIS		157 MINDY LN UNIT 33		MONTROSE	MN	55363	
112014002340	PATRICIA L HONEBRINK		157 MINDY LN #34		MONTROSE	MN	55363	
112014002350	ROBERT A WACKER REV TRUST		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014002360	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014002370	ROBERT A WACKER REV TRUST		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014002380	JRD REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112014003390	MONA S STEINHAUS		9110 INGRAM AVE NW		ANNANDALE	MN	55302	2459
112014003400	MICHAEL A & KELLIE WRIGHT JRT		8222 STATE HIGHWAY 25 SW		MONTROSE	MN	55363	8523
112014003410	JARRED DALBEC&	JENNIFER HONEBRINK	159 MINDY LN APT 41		MONTROSE	MN	55363	9406
112014003420	ROBERT A WACKER REV TRUST		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014003430	KRISTA L FISHER REV TRUST			PO BOX 241	ROCKFORD	MN	55373	0241
112014003440	STEVEN BONNICK &	SUSAN K FALLON BONNICK	7330 10TH ST SW		HOWARD LAKE	MN	55349	5100
112014003450	STEVEN BONNICK &	SUSAN FALLON-BONNICK	7330 10TH ST SW		HOWARD LAKE	MN	55349	5100
112014003460	CHRISTINE G BURNEVIK		5315 BRYANTWOOD DR		MAPLE PLAIN	MN	55359	9636
112014003470	JAMES F & LINDA K FISHER		159 MINDY LN #47		MONTROSE	MN	55363	
112014003480	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014003490	WILLIAM T FISHER REVOCABLE TR			PO BOX 241	ROCKFORD	MN	55373	0241
112014003500	LOIS GOHLKE&	LINDA G ALTHOFF	159 MINDY LN APT 50		MONTROSE	MN	55363	9407
112014003510	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014003520	ROBERT A WACKER REV TRUST		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014003530	ROBERT A WACKER REV TRUST		5565 YANCY AVE		NEW GERMANY	MN	55367	9327
112014003540	STEVEN BONNICK &	SUSAN K FALLON BONNICK	7330 10TH ST SW		HOWARD LAKE	MN	55349	5100

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112014003550	STEVEN BONNICK &	SUSAN K FALLON BONNICK	7330 10TH ST SW		HOWARD LAKE	MN	55349	5100
112014003560	WILLIAM T FISHER			PO BOX 241	ROCKFORD	MN	55373	0241
112014003570	LYNKA HELFMAN		159 MINDY LN APT 57		MONTROSE	MN	55363	9408
112014010610	CHRISTINE G BURNEVIK		5315 BRYANTWOOD DR		MAPLE PLAIN	MN	55359	9636
112014010660	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014020720	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014020730	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014020740	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014030780	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014030820	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014030830	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014030840	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014050970	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014050980	ESC LLC		5407 DAVERN AVE NE		BUFFALO	MN	55313	3703
112014051040	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014051050	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112014061100	GENE L & DEBRA M LEWIS		105 MINNESOTA ST E		LECENTER	MN	56057	
112015000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112015000020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112015001010	ANDREW TEWES &	KAREN TEWES	285 FIELDCREST AVE		MONTROSE	MN	55363	8574
112015001020	TERESA WILKERSON &	JENNIFER M VOCA	275 FIELDCREST CT		MONTROSE	MN	55363	8570
112015001030	CLINT M & CORI M POTTER		265 FIELDCREST CT		MONTROSE	MN	55363	8570
112015001040	JOSEPH D FUDE		268 FIELDCREST CT		MONTROSE	MN	55363	8570
112015001050	JAY M & NANCY J DANIELSON		278 FIELDCREST CT		MONTROSE	MN	55363	
112015001060	HANNAH B ZELLNER		288 FIELDCREST CT		MONTROSE	MN	55363	8570
112015001070	AMY VERAGE		323 FIELDCREST AVE		MONTROSE	MN	55363	8571
112015001080	JON O NARR		333 FIELDCREST AVE		MONTROSE	MN	55363	
112015001100	JAY B & DELILAH D OWNBEY		342 FIELDCREST AVE		MONTROSE	MN	55363	
112015001110	DAVID J & RENEE HAUSLADEN		355 EMERSON AVE S		MONTROSE	MN	55363	8576
112015001120	SUZANNE M & ANTHONY J NOOR		322 FIELDCREST AVE		MONTROSE	MN	55363	
112015001130	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112015001140	THOMAS G SR & EILEEN G PROVO		1609 MAPLE AVE		BUFFALO	MN	55313	2353
112015001150	RODNEY J SPAGENSKE &	YLENIA M BARTON	301 FAIRMONT AVE		MONTROSE	MN	55363	
112015001160	MICHAEL J DUFFY&	JESSICA K HARRIS	311 FAIRMONT AVE		MONTROSE	MN	55363	
112015001170	MATTHEW M MILLER		321 FAIRMONT AVE		MONTROSE	MN	55363	8572
112015001180	BRADLEY T DRIVER &	HEIDI N HUIKKO	331 FAIRMONT AVE		MONTROSE	MN	55363	
112015001190	JON M CHAMPEAU		341 FAIRMONT AVE		MONTROSE	MN	55363	
112015001200	JACOB NELSON &	EMILY NELSON	350 FAIRMONT AVE S		MONTROSE	MN	55363	8572
112015001210	DIANNA L LAUZER		340 FAIRMONT AVE		MONTROSE	MN	55363	
112015001220	JAMES TROMBLEY		330 FAIRMONT AVE S		MONTROSE	MN	55363	8572
112015001230	KELLY LEEDY &	TYLER LEEDY	320 FAIRMONT AVE S		MONTROSE	MN	55363	

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112015001240	BRIAN BECKER		310 FAIRMONT AVE		MONTROSE	MN	55363	
112015001250	NATASHA HOPKINS		300 FAIRMONT AVE S		MONTROSE	MN	55363	8572
112015001260	GAIL NICHOLSON		400 3RD ST S		MONTROSE	MN	55363	8575
112015002010	BRANDON ROSENLUND		271 FAIRMONT AVE		MONTROSE	MN	55363	8573
112015002020	LUCAS A ERICKSON&	JASMINE HYATT ERICKSON	281 FAIRMONT AVE S		MONTROSE	MN	55363	8573
112015002030	JEFFREY S & BARBARA J KRAUSE		291 FAIRMONT AVE	PO BOX 282	MONTROSE	MN	55363	0282
112015002040	JOSEPH W DREWELOW &	DEBRA J DREWELOW	292 FIELDCREST AVE		MONTROSE	MN	55363	8574
112015002050	CRAIG D HAYES		282 FIELDCREST AVE		MONTROSE	MN	55363	8574
112015002060	DAVID K SOVELL JR		272 FIELDCREST AVE		MONTROSE	MN	55363	8574
112015003010	SHAWN R & LEAH H EBELING		270 FAIRMONT AVE S		MONTROSE	MN	55363	8573
112015003020	ANDREW J LYONS &	EMILY J HUTCHINS-PETERSON	280 FAIRMONT AVE S		MONTROSE	MN	55363	8573
112015003030	LISA M JOLICOEUR		290 FAIRMONT AVE S		MONTROSE	MN	55363	8573
112016001010	JOHN P BONGAARTS		240 2ND ST S		DELANO	MN	55328	8828
112016001020	OB HOLDINGS LLC		12128 STATE HIGHWAY 55 NW		ANNANDALE	MN	55302	3454
112017000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112017000020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112017001010	CHARLES J & TRACEY M SMALLWOOD		200 CRYSTAL LN		MONTROSE	MN	55363	
112017001020	STEPHANIE NEIFFER		202 CRYSTAL LN		MONTROSE	MN	55363	
112017001030	JEREMY R & ANGIE M HYDE		204 CRYSTAL LN		MONTROSE	MN	55363	
112017001040	BRENT A & AMARA A NERENZ		206 CRYSTAL LN		MONTROSE	MN	55363	8586
112017001050	RYAN SCHROEDER &	SARAH SCHROEDER	208 CRYSTAL LN		MONTROSE	MN	55363	8586
112017001060	MICHAEL D BREN		210 CRYSTAL LN		MONTROSE	MN	55363	8586
112017001070	DHIMANT MEHMI		212 CRYSTAL LN		MONTROSE	MN	55363	8586
112017001080	ASHLEY GARLOCK		214 CRYSTAL LN		MONTROSE	MN	55363	
112017001090	JOEL MELLOR &	SHANNON MELLOR	216 CRYSTAL LN		MONTROSE	MN	55363	8586
112017001100	HPA BORROWER 2017-1 LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	6995
112017001110	DENISE BECHTOLD		220 CRYSTAL LN		MONTROSE	MN	55363	
112017001120	MARC J BRASSARD &	KIMBERLY M STAVOS	222 CRYSTAL LN		MONTROSE	MN	55363	
112017001130	MARK B PSYK		131 CRYSTAL CIR		MONTROSE	MN	55363	
112017001140	MARIA V AGUILAR		133 CRYSTAL CIR		MONTROSE	MN	55363	
112017002010	BRIAN D SEIFERT		150 CRYSTAL CIR		MONTROSE	MN	55363	
112017002020	JASON PYSICK		152 CRYSTAL CIR		MONTROSE	MN	55363	
112017002030	TRAVIS R CODER		154 CRYSTAL CIR		MONTROSE	MN	55363	
112017002040	JEFFREY S WERNER		224 CRYSTAL LN		MONTROSE	MN	55363	
112017002050	COLTON S KINNEY&	SHERRI M STUMPF	429 1ST ST N		MONTROSE	MN	55363	
112017002060	STEVEN R THEISSEN		427 1ST ST N		MONTROSE	MN	55363	
112017002070	MARTIN LIRA LANDA		425 1ST ST N		MONTROSE	MN	55363	8591
112017002080	TODD M & DIANE E DAMUTH		423 1ST ST N		MONTROSE	MN	55363	
112017002090	TRAVIS DUPONT		421 1ST ST N		MONTROSE	MN	55363	8591
112017002100	TRACI A & DANIEL B TORGERSON		419 1ST ST N		MONTROSE	MN	55363	8591
112017003010	KEVIN CONRAD		500 1ST ST N		MONTROSE	MN	55363	8537

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112017003020	RYAN M & AMANDA M SCHEUERMANN		502 1ST ST N		MONTROSE	MN	55363	
112017003030	JOHN K & LORI A MCCLAY		504 1ST ST N		MONTROSE	MN	55363	
112017003040	ROBERT C & PAMELA J BROWN		506 1ST ST N		MONTROSE	MN	55363	8537
112017003050	JACOB M SMITH		508 1ST ST N		MONTROSE	MN	55363	8537
112017003060	JACOB J & LAUREN SOHNS		510 1ST ST N		MONTROSE	MN	55363	8537
112017003070	MICHAEL & KATRINA KRUMM		512 1ST ST N		MONTROSE	MN	55363	8537
112017003080	ANTHONY J RASMUSSEN&	MARGE S MARTIN	514 1ST ST N		MONTROSE	MN	55363	8537
112017004010	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112017004020	BRITTANY LEE TIEGEN &	JOSH AARON PETERSON	517 1ST ST N		MONTROSE	MN	55363	
112017004030	KENNETH A & AMY E HILL		515 1ST ST N		MONTROSE	MN	55363	
112017004040	JOEL N GRAVE		513 1ST ST N		MONTROSE	MN	55363	8537
112017004050	RYAN KYOSTIA		511 1ST ST N		MONTROSE	MN	55363	8537
112017004060	ZACHARY C HARTUNG &	GRACE M WILLE	233 CRYSTAL LN		MONTROSE	MN	55363	
112017004070	JULIE THEIS		231 CRYSTAL LN		MONTROSE	MN	55363	8586
112017004080	MICHAEL J & KATHE S MOORE		229 CRYSTAL LN		MONTROSE	MN	55363	
112017004090	ADAM HERZOG		227 CRYSTAL LN		MONTROSE	MN	55363	
112017004100	CHRISTOPHER MCCONNELL &	HEATHER R MCCONNELL	225 CRYSTAL LN		MONTROSE	MN	55363	
112017004110	RONALD R SCHLIESMAN		223 CRYSTAL LN		MONTROSE	MN	55363	
112017004120	TREVOR R JENKINS &	ARICA D DEVORA	166 PARK PLACE CIR		MONTROSE	MN	55363	8589
112017004130	ROBERT M & RACHAEL A KALUZNE		164 PARK PLACE CIR		MONTROSE	MN	55363	8589
112017004140	SCHAUST FAMILY TRUST		162 PARK PLACE CIR		MONTROSE	MN	55363	8589
112017005010	WILLIAM D & KARA M BJERKE		159 PARK PLACE CIR		MONTROSE	MN	55363	
112017005020	JEANETTE DUBBIN		157 PARK PLACE CIR		MONTROSE	MN	55363	
112017005030	ANTHONY B JOHNSON		221 CRYSTAL LN		MONTROSE	MN	55363	
112017005040	BLUE CAPITAL LLC	% SHANE J MARTIN	2865 LAKE SARAH RD		INDEPENDENCE	MN	55359	9464
112017005050	JESSE W & JENNIFER A HONKALA		327 MINDY LN		MONTROSE	MN	55363	
112017006010	NICHOLAS BOGDAN		219 CRYSTAL LN		MONTROSE	MN	55363	8586
112017006020	JEFFREY DOSTAL		217 CRYSTAL LN		MONTROSE	MN	55363	
112017006030	JACOB BAKEBERG		215 CRYSTAL LN		MONTROSE	MN	55363	8586
112017006040	MAX C & BETH L COOK		213 CRYSTAL LN		MONTROSE	MN	55363	
112017006050	RAYMOND D & HELEN J HELGESON		211 CRYSTAL LN		MONTROSE	MN	55363	
112017006060	MICHAEL & KATIE BUNDROCK		209 CRYSTAL LN		MONTROSE	MN	55363	8586
112017006070	FRANCISCO G LOPEZ ARANCIBIA &	RAMONA ALARCON	207 CRYSTAL LN		MONTROSE	MN	55363	8586
112017006080	BRENT & KRISTA ANDERSON			PO BOX 141	MONTROSE	MN	55363	0141
112017006090	ALEX PROKOPENKO		203 CRYSTAL LN		MONTROSE	MN	55363	8586
112017006100	BRADLEY D WIDMER		201 CRYSTAL LN		MONTROSE	MN	55363	
112019001010	STORE SPE USLBM 2017-6 LLC	%US LBM HOLDINGS LLC	2150 E LAKE COOK RD 10TH FL		BUFFALO GROVE	IL	60089	8220
112020001060	OPEN SPACES LLC		2135 SALEM CT		LONG LAKE	MN	55356	
112021001010	JOSHUA B KRUSE &	ASHLEY R ALLEN	411 1ST ST N		MONTROSE	MN	55363	8591
112021001020	SFR II BORROWER 2021-3 LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	
112021001030	DANIEL A KNUTSON &	KIMBERLY F KNUTSON	407 1ST ST N		MONTROSE	MN	55363	8591

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112021001040	SHAWN A & ANGELA K MACKENZIE		405 1ST ST N		MONTROSE	MN	55363	
112021001050	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112021001060	ROBERTO HERNANDEZ ARRIOLA		401 1ST ST N		MONTROSE	MN	55363	8591
112021001070	MICHAEL L LUEBKE		101 EMERSON AVE N		MONTROSE	MN	55363	4701
112021001080	ROBERT F & JANE E HEBER		111 EMERSON AVE N		MONTROSE	MN	55363	4701
112021001090	NIKKI YOUNGQUIST		121 EMERSON AVE N		MONTROSE	MN	55363	4701
112021001100	EVERETT S & TERRI L KADRIE		131 EMERSON AVE N		MONTROSE	MN	55363	
112021001110	KYLE D KRANZ		100 CHARITY CIR		MONTROSE	MN	55363	4700
112021001120	HPA JV BORROWER 2019-1 ATH LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	6995
112021001130	JEFFREY D HEGER		104 CHARITY CIR		MONTROSE	MN	55363	4700
112021001140	MATTHEW PAWELK &	MICHAEL PAWELK	106 CHARITY CIR		MONTROSE	MN	55363	4700
112021001150	MITCHELL J WEFLEN		108 CHARITY CIR		MONTROSE	MN	55363	
112021001160	MARQUIE WASHINGTON &	BEATRIZ GAMEZ-WASHINGTON	113 CHARITY CIR		MONTROSE	MN	55363	
112021001170	SFR BORROWER 2021-2 LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	
112021001180	ANTHONY HOPPENRATH &	MACKENZIE HOPPENRATH	109 CHARITY CIR		MONTROSE	MN	55363	
112021001190	ADAM SLOAN		107 CHARITY CIR		MONTROSE	MN	55363	
112021001200	KEITH G & JULIA A ROSEEN		105 CHARITY CIR		MONTROSE	MN	55363	
112021001210	CATHY OLSON		103 CHARITY CIR		MONTROSE	MN	55363	4700
112021001220	OLUSEGUN OYEWOLE		101 CHARITY CIR		MONTROSE	MN	55363	4700
112022001010	HPA II BORROWER 2021-1 LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	6995
112022001020	ALLEN T & RONDA K SPREEMAN		323 MINDY LN		MONTROSE	MN	55363	
112022001030	JAY DODDS		321 MINDY LN		MONTROSE	MN	55363	8587
112022001040	CHRIS A BLINKMAN		319 MINDY LN		MONTROSE	MN	55363	8587
112022001050	KEITH P & CAROL J PRESTIDGE		317 MINDY LN		MONTROSE	MN	55363	
112022001060	JENNIFER SANCHEZ		315 MINDY LN		MONTROSE	MN	55363	8587
112022001070	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112022001080	BRUCE A & RHODA A HALEY		311 MINDY LN		MONTROSE	MN	55363	8587
112022001090	BRADY & JESSICA WOLFF		309 MINDY LN		MONTROSE	MN	55363	8587
112022001100	JASON E VANERP &	TONYA E CARRIVEAU	307 MINDY LN		MONTROSE	MN	55363	
112022001110	BOBBY J LYNN &	CYNTHIA L SOROKO	305 MINDY LN		MONTROSE	MN	55363	8587
112022001120	EDDIE L & NICOLE C ANDREOFF		303 MINDY LN		MONTROSE	MN	55363	8587
112022001130	CRAIG A & TAMI D HARDING		301 MINDY LN		MONTROSE	MN	55363	8587
112022002010	RYAN D HERRBOLDT &	JODI L OLSEN	300 MINDY LN		MONTROSE	MN	55363	
112022002020	RANDALL D MORTENSEN		302 MINDY LN		MONTROSE	MN	55363	
112022002030	MICAL CATERINA		304 MINDY LN		MONTROSE	MN	55363	8587
112022002040	IGOR & TAMARA P BRUTSKIY		306 MINDY LN		MONTROSE	MN	55363	
112022002050	EDGAR CRUZ BERNAL &	LAURA MEZA GARCIA DE CRUZ	308 MINDY LN		MONTROSE	MN	55363	8587
112022002060	JENNA WARNER &	MICHAEL WARNER	310 MINDY LN		MONTROSE	MN	55363	8587
112022002070	BRIAN P & LAURA K GILSON		312 MINDY LN		MONTROSE	MN	55363	
112022002080	STEVEN A & DAWN M ROSTER		314 MINDY LN		MONTROSE	MN	55363	
112022002090	HEIDI GULSO		316 MINDY LN		MONTROSE	MN	55363	8587

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112022002100	CHRISTOPHER & KRISTINE LOTZER		318 MINDY LN		MONTROSE	MN	55363	
112023000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112023000020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112023000030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112023000040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112023000050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112023000060	WALTER HOLZER		50 APPLE GLEN RD		LONG LAKE	MN	55356	9429
112023001010	ROBERT L HARVEY JR		516 1ST ST N		MONTROSE	MN	55363	8537
112023001020	ANDREW J & ASHLEY RASMUSSEN		518 1ST ST N		MONTROSE	MN	55363	8537
112023002010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112023002020	COLTON NOLAN &	JULIANA JACKSON	213 GARFIELD AVE N		MONTROSE	MN	55363	8590
112023002030	JEFFREY TRACZYK &	JANET TRACZYK	211 GARFIELD AVE N		MONTROSE	MN	55363	8599
112023002040	SOPHIE MAE REMER		209 GARFIELD AVE N		MONTROSE	MN	55363	
112023002050	JOLIE J HOLLAND		207 GARFIELD AVE N		MONTROSE	MN	55363	8599
112023002060	JAMES A & MICHELLE OTTO		205 GARFIELD AVE N		MONTROSE	MN	55363	
112023002070	MARY A H &JAMES D V KIRKENDALL		203 GARFIELD AVE N		MONTROSE	MN	55363	8599
112023002080	DEAN KALENDA		201 GARFIELD AVE N		MONTROSE	MN	55363	8599
112023002090	BARRETT KIRCHENWITZ &	KAREN KIRCHENWITZ	521 1ST ST N		MONTROSE	MN	55363	8537
112023002100	JAMES & CHERYL HALL		523 1ST ST N		MONTROSE	MN	55363	
112023002110	GILES W & MELISSA M HOEL		525 1ST ST N		MONTROSE	MN	55363	8537
112023002120	TIMOTHY ENDERS		527 1ST ST N		MONTROSE	MN	55363	
112023002130	TANNER HAFEMAN &	MORGAN PERETTO	529 1ST ST N		MONTROSE	MN	55363	
112023002140	NATHAN M & BRIDGET N CLARK		531 1ST ST N		MONTROSE	MN	55363	8537
112023002150	AMY L LOECHLER		533 1ST ST N		MONTROSE	MN	55363	
112023002160	BRANDON FISCHER		535 1ST ST N		MONTROSE	MN	55363	8537
112023002170	JAMES M KELLY &	LEJLA H KELLY	537 1ST ST N		MONTROSE	MN	55363	
112023002180	ANDREA RISHAVY &	JAMES NELSON	539 1ST ST N		MONTROSE	MN	55363	
112023002190	CORY C & JAMIE K DEWITTE		302 HOGAN DR		MONTROSE	MN	55363	
112023002200	CORY FUCHS &	TRACY FUCHS	304 HOGAN DR		MONTROSE	MN	55363	8595
112023002210	TANYA GROTEN		306 HOGAN DR		MONTROSE	MN	55363	8595
112023003010	SHAWN R SARINSKE &	TRICIA A PIAZZA-SARINSKE	305 HOGAN DR		MONTROSE	MN	55363	
112023003020	JOSEPH JEWETT		303 HOGAN DR		MONTROSE	MN	55363	
112023003030	REBECCA VICTORIA SWANGER		301 HOGAN DR		MONTROSE	MN	55363	8595
112023004010	JULIE YOUNGLOVE		600 1ST ST N		MONTROSE	MN	55363	
112023004020	MEIGHAN DIXON		101 HILL ST		MONTROSE	MN	55363	
112023004030	NATHAN L & RENA E HINTZE		103 HILL ST		MONTROSE	MN	55363	
112023005010	JESSI L ERNST&	NICOLE J SCHRUPP	100 HILL ST		MONTROSE	MN	55363	8597
112024000020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112024001060	HEATHER WELKER		145 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112024001070	JOHN & KELSEY HAMMER		139 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112024001080	TODD & JESSICA ROISUM		137 PHEASANT RIDGE DR		MONTROSE	MN	55363	

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112024001090	BRUCE E & ELLEN L THOMPSON		135 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112024001100	PAMELA A TAYLOR &	ARTHUR L NORBERG	133 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112024001110	CHAD & SHELBY GUNIA		200 QUAIL DR		MONTROSE	MN	55363	5438
112024001120	TIMOTHY J & JENNA M FERGUSON		202 QUAIL DR		MONTROSE	MN	55363	5438
112024001130	ANDREW & CHELSEY RANDALL		204 QUAIL DR		MONTROSE	MN	55363	5438
112024001140	FELIPE ROSALES		206 QUAIL DR		MONTROSE	MN	55363	5438
112024002130	ERIN KATHLEEN AL ZAHER		146 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024002140	JENNA L GIDDINGS		144 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024003010	AUBREY PARADEISE &	DAVID G PARADEISE	142 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024003020	ERIC B LUNDSTROM &	ERIN A LUNDSTROM	140 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024003030	JORDAN J JOHNSON &	SYDNEY LEYTON HLAVKA	138 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024003040	BRIAN J THIBODEAU &	TRISH M THIBODEAU ETAL	136 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024003050	JAYMEE S LAWRENZ		134 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112024003060	TIMOTHY J WYERS &	MARYNA NIKOLAYEVNA KISEL	132 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112025003170	KEVIN & BARBARA ZUPAN TRUST		204 PHEASANT RUN DR		MONTROSE	MN	55363	5440
112025003180	MICHAEL BECK &	MARVIN BECK JR	202 PHEASANT RUN DR		MONTROSE	MN	55363	5440
112026001010	YVONNE L SPICER MARITAL TRUST		8561 TIGUA LN		CHANHASSEN	MN	55317	9615
112026001020	DAWN C KRAUS		102 GARNER CIR		MONTROSE	MN	55363	8598
112026001030	JOSHUA PAGAN &	IVELISS PAGAN	104 GARNER CIR		MONTROSE	MN	55363	
112026001040	ERICA L LAMMERS		106 GARNER CIR		MONTROSE	MN	55363	
112026001050	MICHAEL T PLANTE JR		108 GARNER CIR		MONTROSE	MN	55363	
112026001060	SCOTT STACH		110 GARNER CIR		MONTROSE	MN	55363	
112026001070	JUSTIN ANDROLI		112 GARNER CIR		MONTROSE	MN	55363	8598
112026001080	ZACHERY W LAGOON		114 GARNER CIR		MONTROSE	MN	55363	
112026001090	DONALD LYKE		116 GARNER CIR		MONTROSE	MN	55363	8598
112026001100	TEDD DONALD ELLIOTT II &	ASHLEY KATHLEEN ELLIOTT	118 GARNER CIR		MONTROSE	MN	55363	8598
112026001110	PANGIA XIONG &	MAX THAO	120 GARNER CIR		MONTROSE	MN	55363	8598
112026001120	JOSHUA J LARSON		121 GARNER CIR		MONTROSE	MN	55363	8598
112026001130	MARVIN L ROSEMAN JR &	AMANDA J ROSEMAN	123 GARNER CIR		MONTROSE	MN	55363	
112026001140	SARAH M URICK		125 GARNER CIR		MONTROSE	MN	55363	8598
112026001150	MARK & JANELL KUNZE		5934 MAIN ST W		MAPLE PLAIN	MN	55359	9359
112026001160	AARON DUSKE &	JAMI REINKE	129 GARNER CIR		MONTROSE	MN	55363	8598
112026001170	CAROL M HOPPE		131 GARNER CIR		MONTROSE	MN	55363	
112026001180	LYNN M SCHMIDT		133 GARNER CIR		MONTROSE	MN	55363	8598
112026001190	CHRIS E MEYERS		135 GARNER CIR		MONTROSE	MN	55363	
112026001200	TINA RAMIREZ		137 GARNER CIR		MONTROSE	MN	55363	8598
112026001210	ELLEN T BAUMAN		814 S MAIN AVE		SIOUX FALLS	SD	57104	4908
112026001220	ASHLEY E HERRICK		141 GARNER CIR		MONTROSE	MN	55363	8598
112026001230	MARK & JANELL KUNZE		5934 MAIN ST W		MAPLE PLAIN	MN	55359	9359
112026001240	ANTHONY S BERGE		145 GARNER CIR		MONTROSE	MN	55363	8598
112026001250	CHARLES F & SANDRA J BURT		200 DRESDEN ALCOVE		WAVERLY	MN	55390	5421

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112026001260	ROBERT J & SUSAN K PELTIER		149 GARNER CIR		MONTROSE	MN	55363	8598
112026001270	MARVIN C STREICH		151 GARNER CIR		MONTROSE	MN	55363	8598
112026001280	PEGGY J NEWTON		153 GARNER CIR		MONTROSE	MN	55363	8598
112026001290	SCOTT J GILBERT &	BECKY L GILBERT	155 GARNER CIR		MONTROSE	MN	55363	
112026002010	JOSEPH KANE		148 GARNER CIR		MONTROSE	MN	55363	8598
112026002020	ROBERT M & REBECCA J ROHLAND		146 GARNER CIR		MONTROSE	MN	55363	
112026002030	NEIL R KNOP		1053 14TH ST NW		BUFFALO	MN	55313	4447
112026002040	JEFFREY M HANSON		142 GARNER CIR		MONTROSE	MN	55363	8598
112026002050	DIANE M HOLMAN		140 GARNER CIR		MONTROSE	MN	55363	8598
112026002060	TRACY K LORD			PO BOX 323	MONTROSE	MN	55363	0323
112026002070	DORIS I JOHNSON		136 GARNER CIR	PO BOX 266	MONTROSE	MN	55363	0266
112026002080	ALEX J MANKOWSKI		134 GARNER CIR		MONTROSE	MN	55363	8598
112026002090	NEISEN JOINT REVOCABLE TRUST		111 GARNER CIR		MONTROSE	MN	55363	
112026002100	ECHOLEE CHRISTOPHERSON		109 GARNER CIR		MONTROSE	MN	55363	8598
112026002110	DEBRA BEE		107 GARNER CIR		MONTROSE	MN	55363	8598
112026002120	TODD L FADDEN		105 GARNER CIR		MONTROSE	MN	55363	8598
112026002130	KYLE M & TRISHA L DAHL		103 GARNER CIR		MONTROSE	MN	55363	8598
112026002140	FREDDIE J & MARGARET E PARKER		101 GARNER CIR		MONTROSE	MN	55363	8598
112027000010	MA XIONG VANG		20760 XAVIS ST NE		OAK GROVE	MN	55011	
112027001010	CAITLIN M GILBERTSON		102 HILL ST		MONTROSE	MN	55363	8597
112027001020	CALLIE NELSON &	ZACHARY LANARS	104 HILL ST		MONTROSE	MN	55363	8597
112027001030	ZACHARY LYREK-HANKS &	BRANDIE LAZARETTI	106 HILL ST		MONTROSE	MN	55363	8597
112027001040	MICHAEL HOLENKO &	ABIGAIL PALMER	108 HILL ST		MONTROSE	MN	55363	8597
112027001050	JOSE MARTINEZ-RIZO &	NORMA ALICIA VALENTIN	110 HILL ST		MONTROSE	MN	55363	8597
112027001060	CHRISTINA SUNDERMAN		112 HILL ST		MONTROSE	MN	55363	8597
112027001070	KIERA VORDERBRUGGEN &	JOSIAH VORDERBRUGGEN	114 HILL ST		MONTROSE	MN	55363	8597
112027001080	JILL M CASTLE		116 HILL ST		MONTROSE	MN	55363	8597
112027001090	AMANDA J BIGGE		118 HILL ST		MONTROSE	MN	55363	8597
112027001100	CYNTHIA L & JEREMY OSTERBAUER		120 HILL ST		MONTROSE	MN	55363	8597
112027001110	MOHAMAD SALEM &	HOLLY SALEM	121 HILL ST		MONTROSE	MN	55363	8597
112027001120	MERTON W & MICHELLE A CLARK		123 HILL ST		MONTROSE	MN	55363	
112027001130	CATHERINE A NEIBERGER REV TR		125 HILL ST		MONTROSE	MN	55363	8597
112027001140	ERIC DAVID BUTLER		127 HILL ST		MONTROSE	MN	55363	
112027001150	NICOLE JOY FARNIOK &	JUSTIN JEFFERY FARNIOK	129 HILL ST		MONTROSE	MN	55363	8597
112027001160	CRAIG MAAS &	TRACY SANNER	131 HILL ST		MONTROSE	MN	55363	8597
112027001170	JOSHUA D & LAURIE E BENZER		133 HILL ST		MONTROSE	MN	55363	8597
112027001180	CHRIS & AMANDA LANCE		135 HILL ST		MONTROSE	MN	55363	8597
112027001190	JON CHRISTOFFER &	APRIL SOLWAY	137 HILL ST		MONTROSE	MN	55363	8597
112027001200	BRIAN RUZIN		139 HILL ST		MONTROSE	MN	55363	8597
112027001210	JOLENE B WAGNER		141 HILL ST		MONTROSE	MN	55363	8597
112027001220	ANDREW JOHANNSEN		143 HILL ST		MONTROSE	MN	55363	8597

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112027001230	MOLLY ANN FORSTI		145 HILL ST		MONTROSE	MN	55363	
112027001240	MICHAEL R TOLKKINEN		147 HILL ST		MONTROSE	MN	55363	
112027001250	ANDREW G & JANICE L VAN ARNAM		149 HILL ST		MONTROSE	MN	55363	
112027002010	ANTHONY & PATRICIA LEGUERI		132 HILL ST		MONTROSE	MN	55363	
112027002020	KRISTINA R HANKE		130 HILL ST		MONTROSE	MN	55363	8597
112027002030	ROBERT ROMUNDSTAD		128 HILL ST		MONTROSE	MN	55363	8597
112027002040	SCOTT A & MELISSA A DELZER		126 HILL ST		MONTROSE	MN	55363	
112027002050	STEVE J & LISA M GUNNING		124 HILL ST		MONTROSE	MN	55363	
112027002060	TIMOTHY ELLIOTT &	JESSICA BLOCK	117 HILL ST		MONTROSE	MN	55363	8597
112027002070	BARRY R & LAVONNE M ROCHE		115 HILL ST		MONTROSE	MN	55363	8597
112027002080	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112027002090	DAWN M CLARK &	JOSH BONK	111 HILLS ST		MONTROSE	MN	55363	
112027002100	DAVID C & NANCY K MONSRUD		109 HILL ST		MONTROSE	MN	55363	
112027002110	MAUREEN NICOLAS JONSON		107 HILL ST		MONTROSE	MN	55363	8597
112027002120	CLINT R & MELISSA M HOWRY		105 HILL ST		MONTROSE	MN	55363	
112027003010	ROBERT A & DEBRA A KOWALKE		602 1ST ST N		MONTROSE	MN	55363	
112027003020	TREVOR S & TRACY RYKS		604 1ST ST N		MONTROSE	MN	55363	
112027003030	ROBERTA L HAUGAN		606 1ST ST N		MONTROSE	MN	55363	8594
112027003040	ALEC J LOBBESTAEL &	JULIA A LOBBESTAEL	608 1ST ST N		MONTROSE	MN	55363	8594
112027003050	PATRICK M STATE&	REBECCA A PODEWILS	610 1ST ST N		MONTROSE	MN	55363	8594
112027003060	SCOTT A & JESSICA E LARSON		144 HILL ST		MONTROSE	MN	55363	8597
112027003070	JOHN D SANKO		142 HILL ST		MONTROSE	MN	55363	
112027003080	JEFFREY & MICHELLE DREWS		5245 79TH AVE		LORETTO	MN	55357	4607
112027003090	ALEXANDER R BUJALSKI &	ASHLEA R BUJALSKI	138 HILL ST		MONTROSE	MN	55363	8597
112027003100	JASON J & JESSICA J FORCIER		136 HILL ST		MONTROSE	MN	55363	
112027004010	RICARDO G MARTINEZ		307 HOGAN DR		MONTROSE	MN	55363	
112027004020	JOEL B & ALLISON FLUG		309 HOGAN DR		MONTROSE	MN	55363	8595
112027004030	KORI L RAGAN		302 HOGAN CIR		MONTROSE	MN	55363	
112027004040	DENNIS PATRICK CLARK		304 HOGAN CIR		MONTROSE	MN	55363	8596
112027004050	CHRISTOPHER K & MEGAN N RINSEM		305 HOGAN CIR		MONTROSE	MN	55363	8596
112027004060	ERIC D VICHA&	MELANIE R BUTLER	303 HOGAN CIR		MONTROSE	MN	55363	8596
112027004070	KERRY & BRIGITTA NEIBERGER		301 HOGAN CIR		MONTROSE	MN	55363	
112027005010	DREW E HALONEN &	JULIE K HALONEN	316 HOGAN DR		MONTROSE	MN	55363	8595
112027005020	BENNETT W FREITAG &	AMANDA R PETERSON	314 HOGAN DR		MONTROSE	MN	55363	8595
112027005030	CAROLINE NICOLE BARDWELL		312 HOGAN DR		MONTROSE	MN	55363	
112027005040	MATTHEW J & ANGELA K KOLLES		310 HOGAN DR		MONTROSE	MN	55363	8595
112027005050	JESSICA HELLMAN &	NIKOLAUS HELLMAN	308 HOGAN DR		MONTROSE	MN	55363	8595
112029000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112029000030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112029000060	PAXMAR PROPERTY LLC		2850 CUTTERS GROVE AVE STE 207		ANOKA	MN	55303	4987
112029001010	DANIEL BONK		410 EMERSON AVE N		MONTROSE	MN	55363	

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112029001020	CHELSEY M ERICKSON		414 4TH ST N		MONTROSE	MN	55363	6301
112029001030	HEATHER BRIGGS		412 4TH ST N		MONTROSE	MN	55363	6301
112029001040	JAMES E SCHROEDER JR		410 4TH ST N		MONTROSE	MN	55363	6301
112029001050	TYLER L ROTHMEIER &	EMILY M VOIGHT	408 4TH ST N		MONTROSE	MN	55363	6301
112029001060	THOMAS M MARKETON		406 4TH ST N		MONTROSE	MN	55363	6301
112029001070	JACOB HINDERMANN		404 4TH ST N		MONTROSE	MN	55363	6301
112029001080	RANDY ROLLINS		402 4TH ST N		MONTROSE	MN	55363	6301
112029001090	CHAD D & KELLY L COX		400 4TH ST N		MONTROSE	MN	55363	6301
112029001100	DANIEL D & HEIDI N WEEGE		420 DILLON AVE N		MONTROSE	MN	55363	6300
112029001110	RYAN & NICOLE MULL		422 DILLON AVE N		MONTROSE	MN	55363	6300
112029002010	DANIEL A & GIANNA M KING		421 EMERSON AVE N		MONTROSE	MN	55363	
112029003010	CHELSEA M SKINNER		422 EMERSON AVE N		MONTROSE	MN	55363	4702
112029003020	SHON A BROSSARD		420 EMERSON AVE N		MONTROSE	MN	55363	4702
112029003030	JENNIFER LEE NELSON		409 4TH ST N		MONTROSE	MN	55363	6301
112029003040	THOMAS AMBORN &	SHEILA AMBORN	407 4TH ST N		MONTROSE	MN	55363	6301
112029003050	CHAD A & TAMMI L MARTENS		423 DILLON AVE N		MONTROSE	MN	55363	
112030000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112030001010	NICHOLAS R JANEY		130 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112030001020	MATTHEW D RUSSELL &	TONYA RUSSELL	128 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112030001030	MATTHEW A & ELIZABETH M NAJJAR		126 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112030001040	RYAN M & KATHERINE A CLARK		124 PHEASANT RIDGE DR		MONTROSE	MN	55363	5436
112030001050	BACARI WILLIAMS &	RACHEL KOLAR	122 PHEASANT RIDGE DR		MONTROSE	MN	55363	
112030001060	MARK A & PAULA A DOWNES		120 PHEASANT RIDGE DR		MONTROSE	MN	55363	
112030001070	ROGER L & AMY M SAYLOR		121 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112030001080	JOHN T & KRISTINE L FISCHBACH		123 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112030001090	ANTHONY MELENDEZ		125 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112030001100	BRETT DUDA		127 PHEASANT RIDGE DR		MONTROSE	MN	55363	5437
112030001110	JASON SLIVNIK &	LEANNA SLIVNIK	201 QUAIL DR		MONTROSE	MN	55363	5439
112030001120	MATTHEW SCANLON		203 QUAIL DR		MONTROSE	MN	55363	5439
112030001130	JASON & JO TORNELL		205 QUAIL DR		MONTROSE	MN	55363	5439
112030001140	BRADY & ALICIA KETTENACKER		207 QUAIL DR		MONTROSE	MN	55363	5439
112031001010	KARL E OLSON &	MEGAN C OLSON	424 EMERSON AVE N		MONTROSE	MN	55363	4702
112031001020	THO LE &	HAHN TRAN	426 EMERSON AVE N		MONTROSE	MN	55363	4702
112031001030	MICHAEL AGRE		508 5TH ST N		MONTROSE	MN	55363	5500
112031001040	DUSTIN & SARA HEINRICHS		506 5TH ST N		MONTROSE	MN	55363	5500
112031001050	TONYA M NELSON		504 5TH ST N		MONTROSE	MN	55363	5500
112031001060	BRANDEN B STOVER		502 5TH ST N		MONTROSE	MN	55363	5500
112031001070	WILLIAM R & LUANN K KEMPF		500 5TH ST N		MONTROSE	MN	55363	5500
112031001080	CHAD LERUM		429 DILLON AVE N		MONTROSE	MN	55363	6300
112031001090	SHAD D & KIRSTEN J CURTIS		427 DILLON AVE N		MONTROSE	MN	55363	
112031001100	BRANDI HALLING &	TYLOR HALLING	425 DILLON AVE N		MONTROSE	MN	55363	6300

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112031002010	NANCY L SCHRAM TRUST		424 DILLON AVE N		MONTROSE	MN	55363	6300
112031002020	CACI K CASWELL		426 DILLON AVE N		MONTROSE	MN	55363	6300
112031002030	HPA BORROWER 2018-1 LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	6995
112031002040	HUGH P & ALICIA R HOLMSTROM		430 DILLON AVE N		MONTROSE	MN	55363	
112031002050	RICARDO H PEREZ		432 DILLON AVE N		MONTROSE	MN	55363	6300
112031003030	MARGARET PROKOP &	CODY PROKOP	524 EMERSON AVE N		MONTROSE	MN	55363	
112031003040	ISAEL FLORES CASTRO		505 EMERSON CT		MONTROSE	MN	55363	8617
112031003050	JEFFREY SPRUNK &	KATELYN MILLER	503 EMERSON CT		MONTROSE	MN	55363	8617
112031003060	HOLAND D FENSTERMACHER &	HANNAH R SERNETT	501 EMERSON CT		MONTROSE	MN	55363	8617
112031003070	KERRY T & KATHRYN S RADUECHEL		502 EMERSON CT		MONTROSE	MN	55363	
112031003080	JARETT J HARMON		504 EMERSON CT		MONTROSE	MN	55363	8617
112031003090	VICKY J ROOTES &	JASON M ROOTES	506 EMERSON CT		MONTROSE	MN	55363	8617
112031003100	JAKE RIEBEL &	NICOLE RINGGOLD	509 5TH ST N		MONTROSE	MN	55363	5500
112031003110	DAVID P RARIDON		507 5TH ST N		MONTROSE	MN	55363	
112031003120	DOUGLAS HARDIN		505 5TH ST N		MONTROSE	MN	55363	5500
112031003130	OKSANA N & DMITRI A KONOPATSKI		503 5TH ST N		MONTROSE	MN	55363	
112031003140	MARK A JERDE		501 5TH ST N		MONTROSE	MN	55363	5500
112031004010	ROBERT OLSON		423 EMERSON AVE N		MONTROSE	MN	55363	4702
112031004020	ROBERT P MCMULLEN &	BREANNA M MCMULLEN	425 EMERSON AVE N		MONTROSE	MN	55363	4702
112031004030	MICHAEL D KLEIN		427 EMERSON AVE N		MONTROSE	MN	55363	4702
112031004040	TIMOTHY D ANDERSON		429 EMERSON AVE N		MONTROSE	MN	55363	4702
112031004050	KATHY JO PETERSON		511 EMERSON AVE N		MONTROSE	MN	55363	8616
112031004060	BRYCE RUSSELL		513 EMERSON AVE N		MONTROSE	MN	55363	8616
112031004070	KYLE HALSETH		515 EMERSON AVE N		MONTROSE	MN	55363	8616
112031004080	TIMOTHY P BONNEMA&	LYNETTE M LYLE	517 EMERSON AVE N		MONTROSE	MN	55363	
112031004090	CLAY BROST &	ALEXA VETSCH	519 EMERSON AVE N		MONTROSE	MN	55363	8616
112031004100	NICHOLAS J & EMILY P FENSKE		521 EMERSON AVE N		MONTROSE	MN	55363	8616
112031004110	TRAVIS SOVELL &	PAIGE MACKEY	523 EMERSON AVE N		MONTROSE	MN	55363	8616
112031004120	TORY WILLIAMS		525 EMERSON AVE N		MONTROSE	MN	55363	8616
112032000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112032000020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112032001010	ERIC J MOORE		521 2ND ST S		MONTROSE	MN	55363	5447
112032001020	DAVID H & PAMELA A GRIFFIN		519 2ND ST S		MONTROSE	MN	55363	5447
112032001030	DUANE P ISLE&	JANELL K SCHWANDT	517 2ND ST S		MONTROSE	MN	55363	
112032001040	KEVIN KLINKNER		515 2ND ST S		MONTROSE	MN	55363	5447
112032001050	RACHAEL R CUBEL &	DEREK CUBEL	513 2ND ST S		MONTROSE	MN	55363	5447
112032001060	ANDREW & VICTORRIA MEYER		511 2ND ST S		MONTROSE	MN	55363	
112032001070	RENE WALTER STEINER			PO BOX 398	MOUND	MN	55364	0398
112032001080	MATTHEW J & ALICIA A GROTH		507 2ND ST S		MONTROSE	MN	55363	
112032001090	YESENIA CAPILLA &	HECTOR CAPILLA	505 2ND ST S		MONTROSE	MN	55363	5447
112032001100	CHRISTOPHER L CHOATE		503 2ND ST S		MONTROSE	MN	55363	5447

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112032001110	DIANE Y RISSELL		501 2ND ST S		MONTROSE	MN	55363	
112032002010	CHRISTOPHER LINDSLEY		240 FAIRMONT AVE S		MONTROSE	MN	55363	8573
112032002020	DEVON N MAUK		250 FAIRMONT AVE S		MONTROSE	MN	55363	8573
112032002030	ASHLEY SNELL &	EVAN SNELL	260 FAIRMONT AVE S		MONTROSE	MN	55363	
112032003010	DANIELLE JANICE BROWN &	NICKOLAS JON WALBON	506 2ND ST S		MONTROSE	MN	55363	5447
112032003020	RANDY & DANA WILLARD		504 2ND ST S		MONTROSE	MN	55363	5447
112032003030	DAVID M OLSON		502 2ND ST S		MONTROSE	MN	55363	
112032003040	AMY HOEPFNER		261 FAIRMONT AVE		MONTROSE	MN	55363	8573
112032003050	ANN R & BRYCE D HEUPEL		262 FIELDCREST AVE		MONTROSE	MN	55363	8574
112032004010	DANIEL B WAGNER		520 2ND ST S		MONTROSE	MN	55363	5447
112032004020	TIMOTHY D WEST&	KIMBERLY A DENTLINGER	518 2ND ST S		MONTROSE	MN	55363	
112032004030	DONOVAN & ANDREA V HANSON		516 2ND ST S		MONTROSE	MN	55363	5447
112032004040	TRACEY L BIEGERT		514 2ND ST S		MONTROSE	MN	55363	5447
112032004050	TIMOTHY W LEWIS &	PATHY XIONG	259 FIELDCREST AVE		MONTROSE	MN	55363	8574
112032004060	CATHERINE A DENNIS		263 FIELDCREST AVE		MONTROSE	MN	55363	8574
112032005010	DAVID J ALLEN		305 GARFIELD AVE S		MONTROSE	MN	55363	8534
112032005020	TIMOTHY B SOVELL		311 GARFIELD AVE S		MONTROSE	MN	55363	8534
112035000010	AA PROPERTIES 2 LLC		4525 OMER AVE SW		COKATO	MN	55321	4389
112035001010	DAVID L & BRENDA S OLSON		525 2ND ST S		MONTROSE	MN	55363	5447
112035001020	AARON & KIMBERLY NISKA		523 2ND ST S		MONTROSE	MN	55363	5447
112035002010	JEREMIAH L & LYNDSEY WEDLL		524 2ND ST S		MONTROSE	MN	55363	5447
112035002020	CHELSEA R HAUGEN		522 2ND ST S		MONTROSE	MN	55363	5447
112040000010	RIDGEMONT TOWNHOMES ASSOC INC		215 HIGHWAY 55 E STE 202		BUFFALO	MN	55313	5901
112040001010	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112040001020	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112040001030	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112040001040	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112040001050	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112043001010	CHRISTOPHER JAMES DOURTE		129 CRYSTAL CIR		MONTROSE	MN	55363	8588
112043001020	DAVID A & KIMBERLY K GRIGGS		127 CRYSTAL CIR		MONTROSE	MN	55363	8588
112043001030	JACOB P VEALETZEK&	ALLISON M HOLMQUIST	125 CRYSTAL CIR		MONTROSE	MN	55363	8588
112043001040	STACY POWERS		144 CRYSTAL CIR	PO BOX 171	MONTROSE	MN	55363	0171
112043001050	MARK SINNOTT &	TINA METZ		PO BOX 122	MONTROSE	MN	55363	0122
112043001060	JOHN VERNON		148 CRYSTAL CIR		MONTROSE	MN	55363	8588
112043001070	CARLOS A ALVARADO GAITAN		417 1ST ST N		MONTROSE	MN	55363	8591
112043001080	JENNA K KATNIS &	TIMOTHY YERKS	415 1ST ST N		MONTROSE	MN	55363	
112043001090	HPA JV BORROWER 2019-1 ATH LLC		120 S RIVERSIDE PLZ STE 2000		CHICAGO	IL	60606	6995
112046000010	MEADOW BROOK OF MONTROSE ASSOC	%DANIELSON REAL ESTATE LLC	3616 20TH ST NE		BUFFALO	MN	55313	4220
112046001010	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002010	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002020	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112046002030	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002040	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002050	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002060	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002070	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002080	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002090	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002100	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002110	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002120	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002130	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002140	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002150	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046002160	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112046003010	DANIELSON REAL ESTATE LLC		3616 20TH ST NE		BUFFALO	MN	55313	4220
112048000010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048000080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048001010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048001020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048001030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048001040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048002010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048002020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048002030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048002040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048003010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048003020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048003030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048003040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048004010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048004020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048004030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048004040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048004050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048004060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112048005010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048005080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048006080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048007010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048007020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048007030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048007040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048007050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048007060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048008080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009090	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009100	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009110	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112048009120	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009130	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009140	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009150	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048009160	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048010080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011090	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011100	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011110	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011120	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011130	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011140	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011150	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011160	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011170	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011180	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011190	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011200	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011210	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011220	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011230	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048011240	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112048012050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048012080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013090	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013100	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013110	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013120	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013130	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013140	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013150	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013160	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013170	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013180	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013190	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013200	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013210	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013220	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013230	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048013240	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048014080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112048015060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015090	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015100	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015110	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015120	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015130	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015140	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015150	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015160	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015170	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015180	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015190	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015200	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015210	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015220	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015230	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048015240	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048016010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048016020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048016030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048016040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048016050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048016060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017010	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017020	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017040	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017050	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017060	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017070	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112048017080	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112050000010	LORETTO BAY THREE LLC		669 N MEDINA ST	PO BOX 8	LORETTO	MN	55357	9595
112050000020	LORETTO BAY THREE LLC		669 N MEDINA ST	PO BOX 8	LORETTO	MN	55357	9595
112050000030	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112050000040	LORETTO BAY THREE LLC		669 N MEDINA ST	PO BOX 8	LORETTO	MN	55357	9595
112050000050	LORETTO BAY THREE LLC		669 N MEDINA ST	PO BOX 8	LORETTO	MN	55357	9595
112050001010	NORTHERN STATES POWER COMPANY	% PROPERTY TAX DEPT 4TH FLOOR	414 NICOLLET MALL		MINNEAPOLIS	MN	55401	1927
112500021100	WATERTOWN INVESTMENTS LLP			PO BOX 100	WATERTOWN	MN	55388	0100
112500021101	LLOYD & JANE THEISEN		451 BUFFALO AVE S		MONTROSE	MN	55363	

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112500021102	MMS 2017 LLC &	MSS LLC	6645 QUEEN AVE S APT 100B		RICHFIELD	MN	55423	2044
112500021103	WILLIAM J & MARLETTE BABATZ		521 BUFFALO AVE S		MONTROSE	MN	55363	
112500021104	WILLIAM J & MARLETTE BABATZ		521 BUFFALO AVE S		MONTROSE	MN	55363	
112500021105	MARY A PROBST &	CHRISTINE A OSTERBAUER		PO BOX 21	WAVERLY	MN	55390	0021
112500021106	KEVIN A & PATRICIA D VERGIN		541 BUFFALO AVE S		MONTROSE	MN	55363	
112500021107	LEON & KATHY HABISCH		551 BUFFALO AVE S		MONTROSE	MN	55363	
112500021109	MARK A & TRACY A LEINONEN		461 BUFFALO AVE S		MONTROSE	MN	55363	
112500021110	MICHAEL M TRELSTAD		5933 BARTLETT BLVD		MOUND	MN	55364	9505
112500021111	K OLSON PROPERTIES LLC		104 DEMPSEY AVE SW		BUFFALO	MN	55313	
112500021200	FLORENCE E CARDINAL		520 NELSON BLVD		MONTROSE	MN	55363	
112500021201	ROY J SR & SYLVIA I HENRY		600 NELSON BLVD		MONTROSE	MN	55363	
112500021202	FRANCES M ALLEN		500 NELSON BLVD		MONTROSE	MN	55363	
112500021203	JOHN F PUSUSTA&	JANINE J HOLTER	610 NELSON BLVD		MONTROSE	MN	55363	
112500021204	JASPER CLIFTON		620 NELSON BLVD		MONTROSE	MN	55363	8553
112500021205	DARRELL W LARSON&	CHARLENE M VAIL	640 NELSON BLVD		MONTROSE	MN	55363	
112500021206	MANUEL HERNANDEZ &	ELAINE HERNANDEZ	630 NELSON BLVD		MONTROSE	MN	55363	
112500021207	GLADYS FERRELL &	MARY FERRELL						
112500021209	ROY J SR & SYLVIA I HENRY		600 NELSON BLVD		MONTROSE	MN	55363	
112500021210	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112500021211	STEVEN MELSNESS &	DANETTE MELSNESS	410 NELSON BLVD		MONTROSE	MN	55363	8545
112500021212	DOUGLAS EMERY		550 NELSON BLVD		MONTROSE	MN	55363	8546
112500031104	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112500031106	GARY NORDSTROM		6201 CLEMENTA AVE SW		MONTROSE	MN	55363	8510
112500031107	CHILSON HOLDINGS LLC			PO BOX 1097	WINSTED	MN	55395	1097
112500031300	JOHN B VOSIKA REVOCABLE TRUST		19932 INDUSTRIAL DR NW		BIG LAKE	MN	55309	
112500031400	JOHN B VOSIKA REVOCABLE TRUST		19932 INDUSTRIAL DR NW		BIG LAKE	MN	55309	
112500344100	SHEILA M FRANEY		4213 XERXES AVE S		MINNEAPOLIS	MN	55410	1412
112500344402	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112500351300	SUPPLY COMPANY		5619 W LAKE ST		SAINT LOUIS PARK	MN	55416	2106
112500352300	A GRAHAM & ELLEN B SONES		5324 CLEMENTA AVE SW		WAVERLY	MN	55390	
112500352301	MATHEW O DOKKEBAKKEN &	MELANIE F DOKKEBAKKEN	609 1ST ST N		MONTROSE	MN	55363	8594
112500353202	WINDSTREAM LAKEDALE INC	% PATRICIA HAYES	4001 N RODNEY PARHAM RD	ASSURANCE B3F2	LITTLE ROCK	AR	72212	2459
112500353301	TAYLOR R BRUMMER		5846 CLEMENTA AVE SW		MONTROSE	MN	55363	5416
112500353302	SONYA A TOURVILLE			PO BOX 93	MONTROSE	MN	55363	0093
112500353303	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112500353400	LARRY D & DIANA K MILLER		5369 IMHOFF AVE SW		HOWARD LAKE	MN	55349	5207
112500353401	RAWLIN & ANGIE SNIDARICH		1704 US HIGHWAY 12 SW		MONTROSE	MN	55363	
112500353402	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500353404	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500353405	LARRY D & DIANA K MILLER		5369 IMHOFF AVE SW		HOWARD LAKE	MN	55349	5207
112500353406	TYLER AMBERG		325 GARFIELD AVE S		MONTROSE	MN	55363	

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112500353407	GREGORY F & PATTY A YOUMANS		335 GARFIELD AVE S		MONTROSE	MN	55363	
112500353408	DEAN R CARLSON		355 GARFIELD AVE S		MONTROSE	MN	55363	
112500353409	DAVID A THOMPSON &	PAULA J THOMPSON	365 GARFIELD AVE S		MONTROSE	MN	55363	8534
112500353410	CYNTHIA KNOELL		315 GARFIELD AVE S		MONTROSE	MN	55363	
112500353411	DENNIS W & RUTH M ISAACS		345 GARFIELD AVE S		MONTROSE	MN	55363	8534
112500353412	JAMES E TOURVILLE JR		375 GARFIELD AVE S		MONTROSE	MN	55363	8534
112500353413	BRADLEY S & JUDIE SCHLECHTER		385 GARFIELD AVE S		MONTROSE	MN	55363	
112500353414	DAVID E DIETZ		1626 US HIGHWAY 12 SW		MONTROSE	MN	55363	
112500353415	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
112500354101	GERALD L HUNT		140 CENTER AVE N		MONTROSE	MN	55363	8549
112500354102	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354103	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354104	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354105	LOUIS G & MARY A WERNER		221 2ND ST N	PO BOX 51	MONTROSE	MN	55363	
112500354106	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354107	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354108	BAUMANN RENTAL PROPERTIES LLC		721 BROOK CIR W		MONTROSE	MN	55363	8017
112500354109	GARY P KLINGELHOETS		251 BUFFALO AVE N		MONTROSE	MN	55363	
112500354110	BAUMANN ENTERPRISES II INC		211 BUFFALO AVE N	PO BOX 308	MONTROSE	MN	55363	0308
112500354111	JEFFREY W & SUSAN L WHEELER		155 3RD ST S		MONTROSE	MN	55363	
112500354112	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354113	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354114	ALAN J & LISA C HENSEL		585 BARTON AVE NW		BUFFALO	MN	55313	
112500354115	KEVIN H & ROSE M RASSET		271 BUFFALO AVE N		MONTROSE	MN	55363	
112500354117	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354300	LADY LIBERTY RENTALS LLC		1645 10TH ST SE		BUFFALO	MN	55313	4810
112500354301	LDG MONTROSE MN LLC	%LADDER CAPITAL FINANCE LLC	345 PARK AVE FLOOR 8		NEW YORK	NY	10154	0017
112500354302	RALPH & JANICE TOPEL REV TRUST		11347 COUNTY ROAD 16 SE		WATERTOWN	MN	55388	8302
112500354303	DAVID E ARNOLD		521 NELSON BLVD		MONTROSE	MN	55363	8546
112500354304	DAVID J SARTWELL		400 2ND ST S	PO BOX 241	MONTROSE	MN	55363	0241
112500354305	DAVID J SARTWELL		400 2ND ST S	PO BOX 241	MONTROSE	MN	55363	0241
112500354306	CONNIE JO NELSON		112 EMERSON AVE S	PO BOX 98	MONTROSE	MN	55363	0098
112500354309	WALLACE O WESTRUM		531 NELSON BLVD		MONTROSE	MN	55363	8546
112500354310	JK EMERY PROPERTIES INC			PO BOX 56	MONTROSE	MN	55363	0056
112500354311	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500354312	THOMAS A & JAMES B PETERSON		600 8TH AVE	PO BOX 410	HOWARD LAKE	MN	55349	
112500354313	JK EMERY PROPERTIES INC			PO BOX 56	MONTROSE	MN	55363	0056
112500354314	JK EMERY PROPERTIES INC			PO BOX 56	MONTROSE	MN	55363	0056
112500354315	LADY LIBERTY RENTALS LLC		1645 10TH ST SE		BUFFALO	MN	55313	4810
112500354316	TRAVIS MILHAUSEN &	LISA M MILHAUSEN	4566 DESOTO AVE SW		WAVERLY	MN	55390	5547
112500354320	LESLIE J MATTSON		371 3RD ST S		MONTROSE	MN	55363	8593

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
112500354322	AA PROPERTIES 2 LLC		4525 OMER AVE SW		COKATO	MN	55321	4389
112500354323	LESLIE J MATTSON		371 3RD ST S		MONTROSE	MN	55363	8593
112500362301	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500363200	JP BOON DEVELOPMENT LLC		16983 GEORGETOWN WAY		ROSEMOUNT	MN	55068	
112500363201	NICOLE A HERTELL &	WADE T HEINS	110 BUFFALO AVE S		MONTROSE	MN	55363	
112500363301	JEANNE MARIE BRENNY		195 NELSON BLVD	PO BOX 272	MONTROSE	MN	55363	0272
112500363302	JOHN C & KELLY WARNER		130 BUFFALO AVE S		MONTROSE	MN	55363	
112500363303	SCB PUBLIC FINANCE	% INDEPENDENT SCHOOL DIST 877	214 1ST AVE NE		BUFFALO	MN	55313	1602
112500363304	JEFFREY W & SUSAN L WHEELER		155 3RD ST S		MONTROSE	MN	55363	
112500363305	JEANNE MARIE BRENNY		195 NELSON BLVD	PO BOX 272	MONTROSE	MN	55363	0272
112500363306	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500363307	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500363308	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112500363310	INDEPENDENT SCHOOL DIST 877		214 1ST AVE NE		BUFFALO	MN	55313	
112500363311	SIDNIE A CHANTLAND		150 3RD ST S	PO BOX 460	MONTROSE	MN	55363	0460
112500363313	CASEY'S RETAIL COMPANY	% ACCOUNTING DEPT		PO BOX 54288	LEXINGTON	KY	40555	
112500363314	JEANNE MARIE BRENNY		195 NELSON BLVD	PO BOX 272	MONTROSE	MN	55363	0272
112500363317	CITIZENS STATE BANK OF WAVERLY		609 PACIFIC AVE	PO BOX 68	WAVERLY	MN	55390	0068
112500363318	KEYSTONE I LLC			PO BOX 98	BUFFALO	MN	55313	0098
112500363319	CITY OF MONTROSE		311 BUFFALO AVE S	PO BOX 25	MONTROSE	MN	55363	0025
112999444100	BNSF RAILWAY COMPANY	PROPERTY TAX DEPT - AOB -2		PO BOX 961089	FORT WORTH	TX	76161	0089
211000343100	KEITH A & KATHY L DUSKE		5700 CUSHING AVE SW		WAVERLY	MN	55390	
211000344100	SHEILA M FRANEY		4213 XERXES AVE S		MINNEAPOLIS	MN	55410	1412
211000344300	LORETTO BAY THREE LLC		669 N MEDINA ST	PO BOX 8	LORETTO	MN	55357	9595
211000344301	ALBERT W BRADY		2436 US HWY 12 SW	PO BOX 100	MONTROSE	MN	55363	0100
211000344302	MONTROSE INVESTMENTS		11010 COUNTY ROAD 15		PLYMOUTH	MN	55441	
211000344303	MARILYN M GATES		2252 US HIGHWAY 12 SW		MONTROSE	MN	55363	
211000344304	DEAN W & JULIANN K HUNTER		7501 COUNTY ROAD 110 W		MOUND	MN	55364	9548
211000344305	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
211000344401	MARILYN M GATES		2252 US HIGHWAY 12 SW		MONTROSE	MN	55363	
211000344402	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
211000351402	EDWARD VANEK		5261 COUNTY ROAD 12 S		MONTROSE	MN	55363	5422
211000352200	BRUCE L OHME 2007 REV TRUST &	BARBARA J ELNESS 2007 REV TR	32401 97TH AVE NE		STERLING	ND	58572	9764
211000352300	A GRAHAM & ELLEN B SONES		5324 CLEMENTA AVE SW		WAVERLY	MN	55390	
211000352401	LESLIE H THORESON		210 GARFIELD AVE N		MONTROSE	MN	55363	8599
211000353202	WINDSTREAM LAKEDALE INC	% PATRICIA HAYES	4001 N RODNEY PARHAM RD	ASSURANCE B3F2	LITTLE ROCK	AR	72212	2459
211000353300	MITCHELL G & KRYSTLE L PAYNE		1766 US HIGHWAY 12		MONTROSE	MN	55363	
211000353302	SONYA A TOURVILLE			PO BOX 93	MONTROSE	MN	55363	0093
211000353303	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
211000353403	DAVID E DIETZ		1626 US HIGHWAY 12 SW		MONTROSE	MN	55363	
211000353404	STATE OF MN TAX FORFEIT MISC	% WRIGHT CTY TAXPAYER SERVICES	10 2ND ST NW RM 230		BUFFALO	MN	55313	1195

PARCELS LOCATED WITHIN THE CITY OF MONTROSE DWSMA

PARCEL	TPName	TPName2	TPAddr1	TPAddr2	TPCity	TPState	TPZip	TPZip4
211000353405	VASSAR LIVING TRUST		1742 US HIGHWAY 12 SW		MONTROSE	MN	55363	8621
211000362100	DAVID EPPLE AND SON INC		4934 COUNTY ROAD 12 S		MONTROSE	MN	55363	
211000362300	DAVID EPPLE AND SON INC		4934 COUNTY ROAD 12 S		MONTROSE	MN	55363	
211028001010	MARK S & DEBRA K WINGER		1881 55TH ST SW		MONTROSE	MN	55363	
211028001020	THOMAS D HELMBRECHT		1935 55TH ST SW		MONTROSE	MN	55363	
211028001030	JOHN A & BONNIE A HOUSMAN LVTR		1971 55TH ST SW		MONTROSE	MN	55363	5409
211999444100	BNSF RAILWAY COMPANY	PROPERTY TAX DEPT - AOB -2		PO BOX 961089	FORT WORTH	TX	76161	0089
211999444200	BNSF RAILWAY COMPANY	PROPERTY TAX DEPT - AOB -2		PO BOX 961089	FORT WORTH	TX	76161	0089
220000022100	GORDON J BRATVOLD		1665 US HIGHWAY 12 SW	PO BOX 292	MONTROSE	MN	55363	0292
220000022102	CHRISTOPHER ALLEN LEE		1699 US HIGHWAY 12 SW		MONTROSE	MN	55363	8528
220000022103	CHRISTINA M PLUDE		1739 US HIGHWAY 12 SW		MONTROSE	MN	55363	8529
220000022104	MATTHEW D & STEPHANIE L BREN		1501 US HIGHWAY 12 SW		MONTROSE	MN	55363	8547
220000022105	OWEN E & LOIS J KINGSTEDT			PO BOX 163	MONTROSE	MN	55363	0163
220000022106	JEANETTE C SCHROEDER			PO BOX 292	MONTROSE	MN	55363	0292
220000022107	ALLEN L BROWN		6216 BISHOP AVE SW		MONTROSE	MN	55363	
220000022108	PAMELA J JOHNSON		902 CANTERBURY AVE NE		MONTROSE	MN	55313	9251
220000022109	MATTHEW D & STEPHANIE L BREN		1501 US HIGHWAY 12 SW		MONTROSE	MN	55363	8547
220000022110	CHRISTINA M PLUDE		1739 US HIGHWAY 12 SW		MONTROSE	MN	55363	8529
220000022111	ALAN T & JENNIFER L BABATZ		1621 US HWY 12 SW		MONTROSE	MN	55363	
220000022112	GLADYS FERRELL &	MARY FERRELL						
220000022200	WAYNE A & NANCY J OBERLANDER		6488 CLEMENTA AVE SW		MONTROSE	MN	55363	
220000022201	WAYNE A & NANCY J OBERLANDER		6488 CLEMENTA AVE SW		MONTROSE	MN	55363	
220000022202	JUSTIN W OBERLANDER		1761 US HIGHWAY 12 SW		MONTROSE	MN	55363	8529
220000022203	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
220000022400	WADE T HEINS		6462 BISHOP AVE SW		MONTROSE	MN	55363	
220000022401	HERMAN W EPPLE		6583 STATE HIGHWAY 25 SW		MONTROSE	MN	55363	8520
220000031101	GERALD R & SUSAN GERARDY		6077 CLEMENTA AVE SW		MONTROSE	MN	55363	
220000031102	JOANNE POPPLER		919 7TH AVE NE		BUFFALO	MN	55313	2281
220000031103	JOHN P & GAIL E PETERSON		6143 CLEMENTA AVE SW		MONTROSE	MN	55363	
220000031104	STATE OF MINNESOTA - DOT		395 JOHN IRELAND BLVD	MSC 631	SAINT PAUL	MN	55155	1800
220000031200	KARELS INVESTMENTS LLC		2515 US HIGHWAY 12 SW	PO BOX 8	MONTROSE	MN	55363	0008

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1860016 **COMMUNITY**
NAME	Montrose
ADDRESS	Montrose Water Superintendent, P.O. Box 25, 311 Buffalo Avenue, Montrose, MN 55363

FACILITY (WELL) INFORMATION

NAME	Well #4
SAMPLE POINT ID	S03
UNIQUE WELL NO.	700302
COUNTY	Wright

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / SAMPLE POINT ID	1860016 S03	**UNIQUE WELL NO.**	700302

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1860016 S03	UNIQUE WELL NO.	700302

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		Y	52	Y
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	168	Y**
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	174	Y**
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	150	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	108	Y**
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	46	Y
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	160	Y**
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	160	Y
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		Y	141	Y**
SM1	Storm water pond greater than 5000 gal.	50	35		Y	167	Y
SM1	Storm water pond greater than 5000 gal.	50	35		Y	188	Y**
SM1	Storm water pond greater than 5000 gal.	50	35		Y	117	Y
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	48	
WEL	Operating well	record dist.	record dist.		Y	130	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	84	Y**
*HS1	Hazardous substance buried piping	50	50		N		

PWS ID / SAMPLE POINT ID	1860016 S03	UNIQUE WELL NO.	700302

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	24	Y**
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	72	N
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	92	Y**
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	24	N
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	Y	115	Y
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

** This number is the estimated distance that this potential source is from this well even though it was identified during an inventory for an adjacent well.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / SAMPLE POINT ID	1860016 S03	UNIQUE WELL NO.	700302

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.

	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?		X	
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	2 - 6 - 2023

PWS ID / SAMPLE POINT ID	1860016 S03	UNIQUE WELL NO.	700302

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		
Sorbent material should be maintained on-site for the immediate clean-up of hazardous waste spills.		
An emergency response plan should be adopted for tank spills or leaks; it should include contacting the Minnesota Duty Officer at 1-800-422-0798 or 651-649-5451.		
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		
The location of the buried sewer line should be located and documented. Knowing the location of the buried sewer line will determine whether the buried sewer line meets the setback requirements of the well code and will help to assess the line for deterioration and/or leakage.		
The well on your property that does not provide drinking water to the public should be properly managed. Management practices include: locating potential sources of contamination away from the well, sealing unused wells, maintaining the well casing and cap in good repair, and testing the water periodically. Additional information can be found at www.health.state.mn.us/divs/eh/wells.		
The stormwater pond/pipes should be managed to insure optimal performance. Information on stormwater management can be found on the Minnesota Pollution Control Agency website .		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1860016 **COMMUNITY**
NAME	Montrose
ADDRESS	Montrose Water Superintendent, P.O. Box 25, 311 Buffalo Avenue, Montrose, MN 55363

FACILITY (WELL) INFORMATION

NAME	Well #5
SAMPLE POINT ID	S04
UNIQUE WELL NO.	700301
COUNTY	Wright

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / SAMPLE POINT ID	1860016 S04	**UNIQUE WELL NO.**	700301

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1860016 S04	UNIQUE WELL NO.	700301

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		Y	169	Y**
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	190	Y
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	190	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	164	Y**
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	132	Y
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	128	Y**
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	128	Y
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		Y	97	Y**
SM1	Storm water pond greater than 5000 gal.	50	35		Y	70	Y
SM1	Storm water pond greater than 5000 gal.	50	35		Y	79	Y**
SM1	Storm water pond greater than 5000 gal.	50	35		Y	67	Y
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	130	
WEL	Operating well	record dist.	record dist.		Y	94	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	50	Y
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		

PWS ID / SAMPLE POINT ID	1860016 S04	UNIQUE WELL NO.	700301

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	137	N**
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	43	Y
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	64	N**
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	137	Y
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

** This number is the estimated distance that this potential source is from this well even though it was identified during an inventory for an adjacent well.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / SAMPLE POINT ID	1860016 S04	UNIQUE WELL NO.	700301

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.

	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?		X	
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	2 - 6 - 2023

PWS ID / SAMPLE POINT ID	1860016 S04	UNIQUE WELL NO.	700301

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		
An emergency response plan should be adopted for tank spills or leaks; it should include contacting the Minnesota Duty Officer at 1-800-422-0798 or 651-649-5451.		
Suppliers/tankers should be requested to stay away from well locations, and to inform the owner of any spills that occur.		
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		
The well on your property that does not provide drinking water to the public should be properly managed. Management practices include: locating potential sources of contamination away from the well, sealing unused wells, maintaining the well casing and cap in good repair, and testing the water periodically. Additional information can be found at www.health.state.mn.us/divs/eh/wells.		
The stormwater pond/pipes should be managed to insure optimal performance. Information on stormwater management can be found on the Minnesota Pollution Control Agency website .		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1860016 **COMMUNITY**
NAME	Montrose
ADDRESS	Montrose Water Superintendent, P.O. Box 25, 311 Buffalo Avenue, Montrose, MN 55363

FACILITY (WELL) INFORMATION

NAME	Well #6
SAMPLE POINT ID	S05
UNIQUE WELL NO.	843402
COUNTY	Wright

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / SAMPLE POINT ID	1860016 S05	**UNIQUE WELL NO.**	843402

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1860016 S05	UNIQUE WELL NO.	843402

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	160	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	35	Y
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		

PWS ID / SAMPLE POINT ID	1860016 S05	UNIQUE WELL NO.	843402

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	20	Y
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	Y	50	Y
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

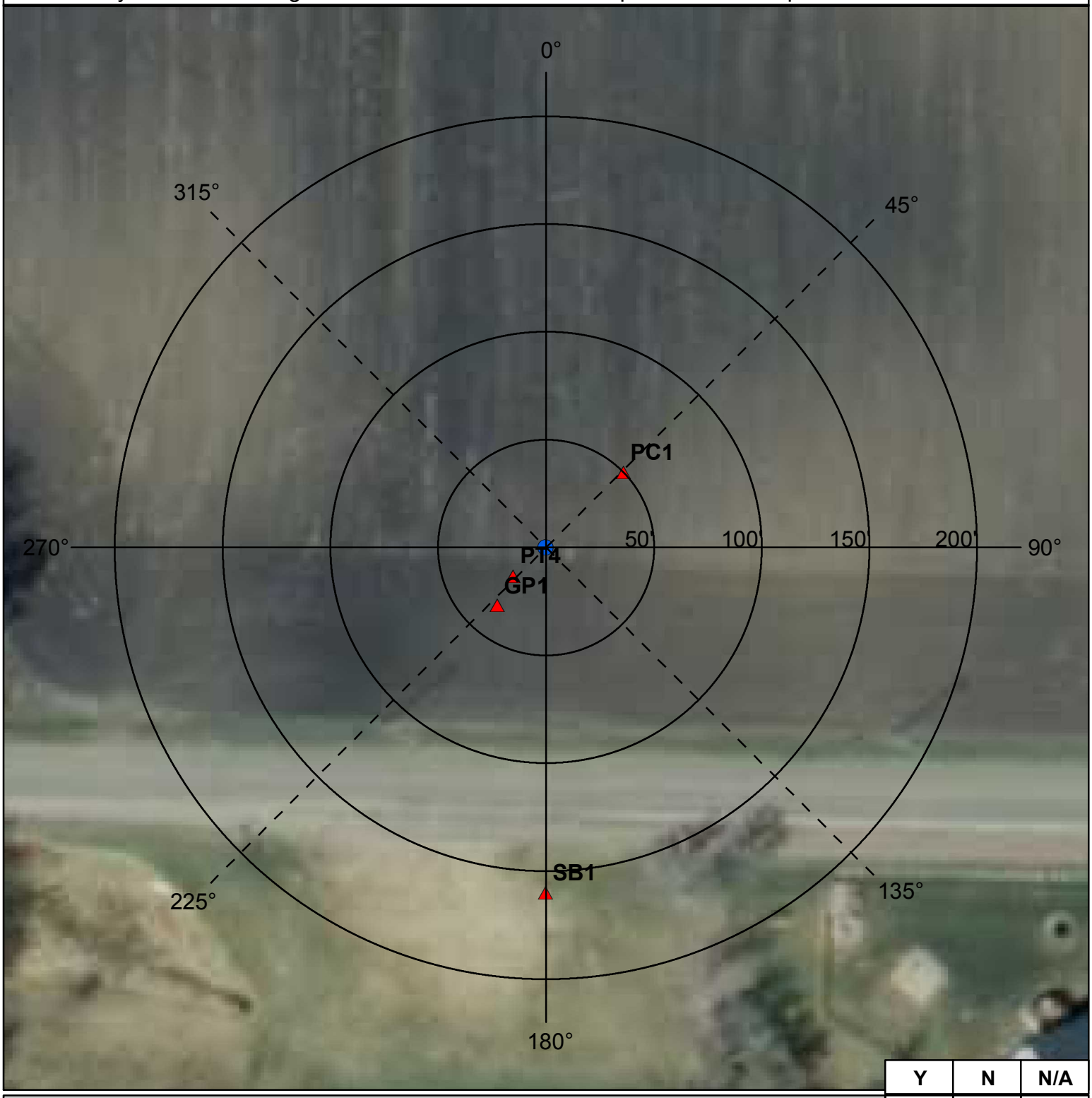
[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / SAMPLE POINT ID	1860016 S05	UNIQUE WELL NO.	843402

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			
Is the system monitoring existing nonconforming sources of contamination?			

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	2 - 6 - 2023

PWS ID / SAMPLE POINT ID	1860016 S05	UNIQUE WELL NO.	843402

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Encourage others applying agricultural fertilizers or chemicals near the municipal well to adhere to recommended application rates and maintain an application distance of 50 feet or greater from the well.		
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		
Tanks and secondary containments should be inspected on a regular basis for leak or spill detection . See: http://www.pca.state.mn.us/waste/aboveground-storage-tank-systems for information, or call the Minnesota Pollution Control Agency at 1-800-657-3864.		
Sorbent material should be maintained on site for immediate clean-up of spills.		
An emergency response plan should be adopted for tank spills or leaks; it should include contacting the Minnesota Duty Officer at 1-800-422-0798 or 651-649-5451.		
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

IV. FUTURE LAND USE PLAN

The Comprehensive Plan provides a framework for growth and development in Montrose over the next twenty-three years, to 2040. This plan focuses on providing additional areas for residential, commercial, and industrial growth in the Montrose area while recognizing the importance of developing a downtown and maintaining existing residential neighborhoods.

Revitalizing & redeveloping the downtown area can become a focal point for the city and for visitors as the primary location for service, retail, restaurant and multi-family uses and can in part absorb some of the needed additional commercial growth. In general, determining the proper amount of commercial/industrial land use is difficult with changing trends, regional influences and because commercial/industrial growth typically lags behind residential growth. The City should continue to analyze the need for additional commercial/industrial expansion and can make adjustments to zoning over time.

REDEVELOPMENT/INFILL POTENTIAL

The City should emphasize the use of currently available sites within the City limits prior to the annexation and platting of new sites. The development of sites within the serviced area will ensure prudent land management, assist in the prevention of 'leap-frog' type development and ensure maximum cost effectiveness for community residents. Additionally, efforts should be made to ensure proper placement and phasing of urban expansion and the maintenance of existing and future land use compatibility.

Potential redevelopment areas are primarily centered in or near the City's core. The City should focus redevelopment efforts on commercial and residential areas/parcels in the more established areas of the City. To achieve this, the City should:

1. Encourage the removal of existing buildings that have exceeded their useful life, or

2. Encourage or participate in the removal of those which are deemed to have a "blighting effect" upon adjacent properties and/or present nuisance conditions that pose a threat to health and safety of citizens; or

3. Promote appropriate re-uses for under-utilized properties.

Infill. There are 190 vacant residential lots with streets and utilities in place, and utilities provided, ready for residential development. The following table identifies the residential subdivisions with final plats approved and the number of available lots within each.

TABLE 11-2
VACANT RESIDENTIAL LOT INVENTORY, 2016

Subdivision	Lots Final Platted	Occupied Lots	Vacant Lots with Street and Utility Access
Montrose Meadows	66	65	1
Forest Creek	146	72	74
Parkside Meadows	116	116	0
Parkside Meadows 4th	8	8	0
Parkview Estates	135	134	1
Rock Brook	48	47	1
Rock Brook Townhomes	18	18	0
Pheasant Hills	127	127	0
Northridge 1st & 2nd	114	114	0
Northridge 3rd	36	36	0
Northridge 4th	31	31	0
Northridge 5th	3	3	0
Rolling Meadows 1st, 2nd & 3rd	84	84	0
Old Town	256	256	0
Meadow Brook Cottages	16	8	8
White Tail Ridge	117	12	105
The Preserve of Montrose	0	0	0
Total Lots	**1,321**	**1,131**	**190**

Source: City of Montrose, July 2016

V. FORECAST LAND USE DEMAND

The City of Montrose should be able to accommodate projected growth until around 2035 with vacant lots with street and utility access. Projections of population and households identified in Chapters 4 (Demographics and Social Profile) and 5 (Housing) of this Plan, were developed based on local and regional trends and policies, and through the application of economic and demographic principals. Projections were based on U.S. Census data, historic residential building permits issued, historical population/household patterns and trends, trends in average household size, and sub-regional migration patterns.

The 2015 estimated population of Montrose is 3,079. The City is projecting a moderate growth projection of 6,055 or an increase of 2,976 people. At an average of 2.5 people per household, 1,190 new housing units will be required. It is generally recommended a city maintain a two to three year supply of vacant lots to support growth and provide options for new construction. Additional final plats will be needed prior to 2040 to accommodate this or if growth rates increase.

Market conditions will have a major impact on housing types as the City progresses toward the year 2040. Interest rates, land/material and inflation, gas prices among other factors will significantly impact buyer preferences. Since housing types are difficult to forecast, the land use plan focuses on density rather than housing types. Residential use computation is based on current City indices relative to life-cycle housing and density. Please note net densities of three and ten units per acre are used respectively to forecast single family and multiple family residential development calculations.

VI. LAND USE PLAN CATEGORIES

Low Density Residential
The purpose of this category is to identify portions of Montrose and its growth areas that contain or should be developed at residential densities of 2 to 4 dwelling units per acre, net of wetlands and major road right-of-way. Low Density Residential includes the older, smaller lot, primarily single-family neighborhoods and existing suburban style, single-family subdivisions, duplexes and twin homes. It will also guide the development of new subdivisions in the city's planned growth areas. Areas designated as Low Density Residential will be primarily single-family detached homes, but may include limited amounts of twin homes and duplexes in appropriate areas and mixed uses in the form of a traditional subdivision design with a mix of single family, duplexes, townhouses and some apartments as part of a single development.

Map 11-2, Future Land Use, illustrates the proposed locations of future low density residential housing.

Medium to High Density Residential
The purpose of this category is to identify portions of Montrose and its growth areas that contain or should be developed at residential densities of 3-12 units per acre for medium density and over 12 units per acre for higher density residential, net of wetlands and major road right-of-way. Medium Density Residential is intended to accommodate primarily town-home complexes, apartments, and other multi-family development.

Locations for proposed medium and high density residential development are illustrated on Map 11-2.

Highway Commercial
The purpose of this category is to identify portions of Montrose and its growth areas that contain or should be developed for general commercial use. Examples of these could include highway-oriented businesses such as restaurants, convenience stores, gas stations and other auto-oriented businesses and large retailers. Limited office and service uses are appropriate in these areas as well.

The 2040 Plan envisions additional Highway Commercial along the major roadways including TH 12, CR 12 and CR 110.

Downtown Commercial
The purpose of this category is to develop a traditional mixed-use commercial core in the City. The downtown area has good access via vehicle and pedestrian traffic. Land uses could include small-scale commercial development (retail, office) and civic uses.

New development within this district should take into consideration pedestrian areas, architectural character, streetscape improvements, move buildings close to the street with parking located in the rear or in shared or structured parking, use decorative lighting, etc. (See Chapter 5 - Economic Development for Downtown Revitalization).

Industrial
The purpose of this category is to identify portions of Montrose and its growth areas that contain or should be developed for industrial use. Land uses could include manufacturing, warehousing, business service and assembly.

The 2040 Plan recognizes the importance of industrial development with local tax base and employment opportunities. At this time, there are available industrial lots, within a privately owned industrial park, Montrose Business Park. As these lot are sold and developed, the City should continue to pursue industrial development. The future location for industrial development has been identified on the east side of the community, along TH 12 as well as along the south side of the city, along the east side of Highway 25.

Parks and Open Space
Montrose currently has 13 City-owned parks. The regional park is proposed to be developed on the north side of the City. Chapter 6 identifies locations for future park search areas.

Public/Semi-Public
As noted in Chapter 8 – Community Facilities and Services, there is a need to plan for an expanded/new fire hall facility. As the City grows, the city should also evaluate the city offices and community center spaces.

VII. LONG TERM GROWTH AREA - 2040 PLAN

ANNEXATION
The City's AUAR has identified future land uses and future city boundaries. The city is projected to expand within Marysville, Woodland and Franklin Townships. The City of Montrose has orderly annexation agreements in place with Marysville and Woodland Townships. The areas identified in the orderly annexation agreements correspond with the boundary in the AUAR. The "Interim Build" scenario, which is reflected on Map 11-2 as the Future Land Use Map will accommodate a population of approximately 21,000 with 8,585 households, employment of 3,358 retail and 4,94 non-retail jobs.[1] It should be noted, this Comprehensive Plan projects a 2040 population of 6,055 to 7,500. The Future Land Use Map or Interim Build Map proactively plans for growth beyond 2040.

The city has prepared a plan to guide the future use of land throughout the existing city and identified annexation areas. In the city proper, the guiding of land primarily follows the existing use of land or the existing zoning of the land. Areas guided for new development within the Montrose Growth Areas are based on current development patterns, existing and proposed transportation networks, availability of sanitary sewer and surrounding land uses, and the AUAR.

[1] Montrose AUAR, October 2008, Table 7-5 Staging Scenerios, Bolton & Menk

VIII. LAND USE AND GROWTH GOALS AND STRATEGIES

As a part of the Community Visioning Session, participants identified a desire to develop the city as, "*A comfortable and progressive, self-reliant community, living in harmony with nature and family values.*". In order to accomplish this the following principles have been developed:

- *Preserve the spirit of a small town*. The goal of retaining the small town atmosphere is included through a logical pattern of future land use in an organized fashion, along with a transportation system to support the various land uses, parks and recreation and quality educational facilities to offer quality of life amenities.

- *A proactive position on future growth* – The future land use plan includes projections and growth boundaries intended to serve the City to the year 2040, and beyond. As market demands change the plan may need periodic review and updates. The future land use plan has been coordinated with the AUAR to encourage proactive planning of land uses with infrastructure and the funding of the infrastructure. Additional information on utility needs is included in the Utility Chapter of this Comprehensive Plan.

- *A well-balanced tax base* – In order to assist with the fiscal health of the city and discourage the future development of a bedroom community for other suburbs with employment offerings, a range of land uses including commercial and industrial have been planned.

- *Proactive Planning* - It is the intent of this Plan to facilitate or create a community within which these elements exist:
    - A variety of housing types,
    - Adequate parks, trails and community facilities,
    - An efficient transportation system,
    - An orderly and planned extension of municipal utilities, and
    - Ample business and commercial opportunities for residents and visitors alike

Land Use and Growth Goal #1

Support the compact, efficient and orderly growth of residential, commercial and industrial land uses.

Strategies:

1. Encourage infill on existing vacant lots and redevelopment of underutilized lots.

2. Coordinate growth and development with logical and phased extension of municipal utilities and public streets. Avoid "leap frog" development.

3. Protect significant natural resources which benefit the community and incorporate these into passive recreational areas.

4. Encourage the development of additional commercial and industrial areas within the city in accordance with the 2040 Comprehensive Land Use Plan.

5. Have new development pay the public infrastructure, parks, trails and service costs necessary to support the development.

Land Use and Growth Goal #2
Protect natural resources without restricting community growth.

Strategies:

1. Protect gateways into the community with higher design standards, landscaping and architectural guidelines.
2. Protect natural resources such as tree lines, wetlands, creeks, etc. through appropriately located new parks, buffers and open space areas.

Land Use and Growth Goal #3
Basic Planning Provisions:

1. (Re)Zone all property in accordance with this Comprehensive Plan.

2. Connect existing and new residential neighborhoods, park and community facilities, with new neighborhoods, downtown, new commercial areas, schools, and other points of interest with walking and/or recreational trails.

3. Work with County and State transportation departments to ensure appropriate street access to all existing and future development in the city and the Montrose Orderly Annexation Areas.

IV. LOCATION OF FUTURE BUSINESS DEVELOPMENT

VACANT LAND INVENTORY

The following sites are currently available for commercial and industrial development with over 100 acres of land available.

1. **Montrose Business Park** – North of Highway 12 and west of Clementa Avenue. There are approximately 22 acres available for highway commercial and industrial development. The site currently includes outlots which may be platted to meet a businesses' needs. Utilities are in place, with a need for the road to be extended.

2. **Preserve of Montrose** – South side of Highway 12/west side of the City. The City of Montrose acquired a tax forfeit 54.22-acre site. The property was originally platted for residential townhomes. The property could be replatted to accommodate highway commercial along the corridor.

3. **Terning Site**- Located at the SE corner of Highway 12 and Highway 25, this 35.67-acre site offers opportunities for highway commercial uses.

4. **Highway Commercial site –** A 3.56-acre highway commercial site is located along the east side of the city, along the south side of Highway 12.

5. **Lemmerman Industrial Park** – Several lots, both highway commercial and industrial, remain available within Lemmerman Industrial Park on the east side of the city, north of Highway 12.

In addition, there are a number of potential infill and redevelopment sites along Highway 12. The City has very limited vacant buildings. New construction will be required to accommodate new commercial and industrial development in the community.

The City assists property owners with marketing available sites.

V. BUSINESS ZONING DISTRICTS.

The City currently has three zoning classifications for commercial developments and two zoning districts to accommodate industrial development. The Zoning Map illustrates the locations of the following districts:

R-B; Residential Business District. The purpose of the R-B, Residential Business District is to provide for a transition in land use from residential to low intensity businesses and allow for the mixing of these uses. The establishment of this district is to be limited to those areas specifically guided for mixed use development by the Comprehensive Plan and only when a full range of public services and facilities are available.

B-1; Central Business District. The purpose of the B-1, Central Business District is to provide specifically for the regulations of high intensity commercial uses located within the downtown area defined by the Comprehensive Plan.

B-2; Highway Business District. The purpose of the B-2, Highway Business District is to provide for and limit the establishment of motor vehicle oriented or dependent high intensity commercial and service activities.

I-1; Light Industrial District. The purpose of the I-1, Light Industrial District is to provide for less intensive types of industrial uses which, because of their proximity to residential areas or other sensitive uses, are less likely to impose objectionable influences, such as noise, vibrations, dust, heat, smoke, odor, etc.

I-2; General Industrial District. The purpose of the I-2, General Industrial District is to provide for the establishment of industrial uses of a more intense nature development in areas guided for industrial land use by the Comprehensive Plan.

VI. ECONOMIC DEVELOPMENT AGENCIES

The City of Montrose Economic Development Authority was formed in 1992. This seven-member commission is appointed by the City Council. This includes five City Council members with two seats reserved for members-at-large. As required by MS. 469.095, Subd. 2 the EDA serves six year terms; however, Council members' terms run with their council term.

The Mission of the EDA is:

- To assist existing businesses with retention and expansion plans;
- To attract new commercial and industrial businesses to the community;
- To promote and encourage revitalization of commercial areas; and
- To encourage the expansion of the Montrose tax base.

The Economic Development Authority (EDA) Board provides business assistance and referral services; assists existing businesses and industry within the community; and promotes the continued growth and development of the City of Montrose. The EDA works to add job opportunities for the residents of Montrose and the surrounding area and increase the commercial and industrial tax base.

The EDA offers a Revolving Loan Fund which provides gap financing. The EDA also offers a Matching Grant Program to encourage façade improvements.

The City of Montrose EDA projects in recent years have included sponsorship of a Business Development Infrastructure Grant for the public improvements in Montrose Business Park, loans and matching grants to local businesses, implementation of Highway 12 improvements, and marketing of the community and its available sites.

Highway 12 Redevelopment Committee. The Highway 12 Committee was formed in 2008 to develop a Highway 12 Redevelopment Plan, Highway 12 Design Guidelines, and implement the Plan. The Committee has been instrumental in several landscape projects along the Highway 12 corridor, completed through the MnDOT Cooperative Landscape Grant Program; the selection of seasonal banners for light poles; painting of streetlight poles; installation of bump-outs, and trails and flower planters. The Committee has remained active over the past nine years, as a recommending body to the EDA.

The Wright County Economic Development Partnership is based in Rockford. The WCEDP works with cities and businesses in the county, offering a loan fund, business luncheons and programs, and access to the Small Business Development Center programs. The EDA has supported the

Minnesota Department of Health
Environmental Health in Minnesota

MDH Public Water Supply Sources Report

PWSID: **1860016**
PWS Name: **Montrose**
PWS Type: **Community**
PWS Status: **Active**

Public Water Supply Sources: Information from MNDWIS and CWI (sorted by Sample Point ID)

Source Type Codes: **GW** = Ground water; **SW** = Surface water; **GUI** = Ground water under influence
Location Source: **MGS** = digitized by the MN Geological Survey; ***** indicates imcomplete records
O* = duplicate in Unverified Well Data; **R*** = duplicate in MNDWIS PWS Sources Removed from Flow; **S*** = duplicate in MNDWIS PWS Sources in Flow;

MNDWIS PWS SOURCES IN FLOW

Source Info							MNDWIS Data				CWI Data			
Sample Point ID	Name	Type	Availability	Status	Well No. (link to Well Log(s))	Location Info (link to Map)	Drill Year	Depth (in feet)	Case Depth (in feet)	Case Diam. (in inches)	Drill Date	Depth Completed (in feet)	Case Depth (in feet)	Case Diam. (in inches)
S01	**Well #2**	GW	Primary	Active	235853 **O***	02/25/1999 (R. Hoerr)	1974	184	**152**	12	09-01-1974	184.00	**157.00**	12.00
S02	**Well #3**	GW	Emergency	Active	149692 **O***	02/25/1999 (R. Hoerr)	1978	181	158	12	12-14-1978	181.00	158.00	12.00
S03	**Well #4**	GW	Primary	Active	700302	03/10/2005 (S. Longanecker)	2004	175	155	12	07-15-2004	175.00	155.00	12.00
S04	**Well #5**	GW	Primary	Active	700301	01/08/2004 (C. Wunderlich)	2004	175	155	12	07-15-2004	175.00	155.00	12.00

MNDWIS and CWI data value discrepancies in preceding tables are shown in **RED** (0 or null values excepted).

Unverified Wells

The following tables show information on wells whose existence (or previous existence) has not yet been confirmed.

UNVERIFIED Well Data

Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
A	Well No. 1	218013	693.0	693.0	526.0	10.0	1940	Cable Tool/Bored					Ref.: 1941 MDH San. Rpt. Log of well shown in MGS City Well files (attached).
B	Creamery Well						Before 1948	Cable Tool/Bored					Ref.: 1948 MDH San. Rtp. Inter-connected with city supply. Likely the "Montrose Creamery".
C	Farmer's Cooperative Dairy Assn. Well						Before 1957						Ref.: 1957 MDH San. Rpt. Inter-connectioned constructed with City

UNVERIFIED Well Data

Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
													water supply. May be different from creamery well mentioned as B, on this list.
D	Well No. 2	235853 S*	184.0	184.0	152.0	12.0	1974						Ref.: 1976 MDH San. Rpt.
E	Well No. 3	149692 S*	186.0	181.0	158.0	12.0	1978						Ref.: 1979 MDH San. Rpt.
F	Test Well	667881	178.0	178.0	158.0	4.0	2001	Rotary/Drilled				119-26-35 NW/SW/SE.	Ref.: MDH WELLS database. Pump test data included. No sealing record was found.
G	Test Well	149712	186.0	186.0	175.0	4.0	1978	Rotary/Drilled				119-26-35 DDADCC	Ref.: CWI
H	Oldest Well; Drift Well		120.0	120.0			Before 1940		1940			Unknown.	Ref.: 1944 MGS Bulletin 31. Installed prior to Well No. 1, A on this list.

Databases Searched

County Well Index (1-mile radius); MDH DWP Microfiche; MDH 1988-2002 Muni Well Inventory; Lakesnwoods.com; Biennial Report of the MN State Dairy and Food Commissioner-1907; Minnesota Geological Survey City Well File Folders; MGS Bulletin (22, 27, 31, or 32); MDH DWP MNDWIS; Past and Present MN Railroad Stations; MN Historical Soc.- 1951 Fire Underwriters Insp. Bureau historical map ; MDH WELLS

Remarks

This Unverified Municipal Well Inventory is as complete and is as thorough as possible, given available documentation. However, MDH Planners and Hydros, as well as City representatives should feel free to add or subtract from this report, as necessary. MONTROSE, a city on the border of Marysville and Woodland Twps., was platted in 1878 in sections 35 and 36 of Marysville Twp. and was incorporated as a village in 1881. The city initially had a grain house and general store, as well as a station of the Great Northern Railway, originally located on the west side of Buffalo St. The 1984 MDH San. Rpt. stated that the USGS was monitoring Well No. 1. There were reportedly two creameries in Montrose in 1907: the Montrose Creamery and the Farmers Co-operative Dairy Assn. The MGS City Well files mention an inter-connection between a creamery water supply and the City's water supply. Which creamery is unknown. The 1948 MDH Sanitary Rpt. mentions an inter-connection between a creamery supply and the city water supply. The 1957 MDH San. Rpt. mentions an inter-connection between the Farmers Co-op Creamery and the city water supply. Judgement indicates that there were two creameries which, at different times, provided water to the city. If the city has records or information bearing on this issue, they should be reviewed. The The 1951 Fire Underwriters Inspection Bureau map shows a city pump house and a creamery. It is unclear which of the two creameries is shown. No breweries are reported to have operated in the town. No historical images were found on lakesnwoods.com. Two test wells were noted and no sealing records were found for either of them. In fact, no pertinent Well Sealing records were found in the MDH WELLS database. Inactive PWS wells, without sealing records should be sealed properly. Private wells that provided water to the community through inter-connections, like the creamery well(s), are eligible for MDH grant funding for sealing.

Unverified Well Data Compiled By: **Geoffery Nash** Compiled Date: **12/26/2013**

Source: MN Dep't. of Health - 12/30/2013

Use of MDH Public Water Supply Sources Report

The report you have received shows three classes of Public Water Supply wells:

- In Use (actively used)
- Removed From Flow (for back-up or emergency use; may be disconnected from PWS)
- **Unverified Wells (unused wells with no documented location, unique ID number, and/or well sealing record)**

Unverified wells are unsealed, abandoned wells. These wells pose a risk of contamination to existing wells and aquifers. According to State Well Code and under the terms of your Wellhead Protection Plan, your PWS may need to identify, locate, and properly seal Unverified Wells within your Drinking Water Supply Management Area, to current MDH standards. While historical records may indicate that some of these wells were "capped", "abandoned", or "sealed" in the past, unless it can be shown that the sealing was performed to current standards, they may need to be located, cleaned out, and sealed properly with a well sealing record issued.

The report lists database references that were searched to compile the report. Under "Remarks" are notes and questions to help you with this process. State grant funding is available to help fund sealing of these old public water supply wells.

If you have questions, please talk to your MDH Planner or Hydrologist to address your PWS's specific issues. This report is not intended to be the "last word" on the status of unverified wells and your input will be critical in successfully finding and sealing these potential sources of contamination.

Restart

Former RR depot
Approx. location

F. Test Well
667881

Well No. 4
700302

Well No. 5
700301

628789

A. Well No. 1
218013

D. Well No. 2
235853

G. Test Well
149712

Well No. 3
149692

436329

1st St N
1st St S
2nd St S
3rd St S
4th St S
Charity Circle
Crystal Circle
Center Ave N
Fieldcrest Ave
Fairmont Ave S
Garfield Ave S
Emerson Ave S
Dakota Ave S
Buffalo Ave S
Nelson Blvd
12
25

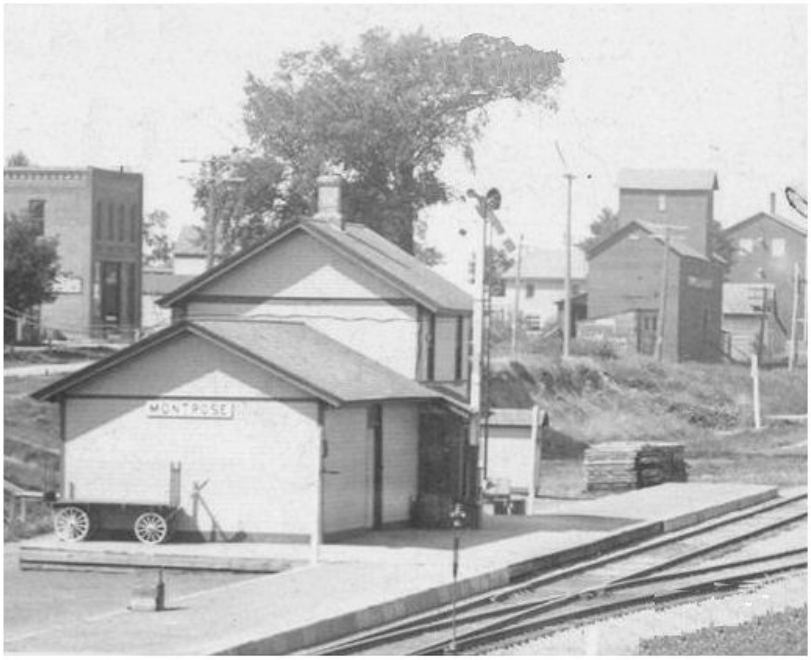


Photo 1: Great Northern Railroad station, Montrose. Unknown date. Courtesy of www.west2k.com.

1951 Fisher Map

Appendix VI - City of Montrose

ORIGINAL 7 TOWN

UNPLATTED

430 426 422 420

BUFFALO

6"W. PIPE

433 425 421

D.H. 66'

C GARAGE

WHSE. (HC.B.)

ORIGINAL 5 TOWN

ORIGINAL 6 TOWN

50,000 GAL. WATER TANK ON 100' STEEL TOWER

8" W. PIPE

PUMP HO.

City well/ pump house

WHSE. (POOR)

2ND STREET

PUBLIC HALL (H.T.)

FIRE DEPT.

522 332 330

331 325 323 321

CENTER

ORIGINAL 8 TOWN

LUTH'N. CHURCH

METHOL CHUR

D.H. 604

BUFFALO

MONTROSE PUBLIC SCHOOL

408

BUFFALO

411 405

CROOKSTON MOORHEAD DULUTH BRAINERD ORTONVILLE MINNEAPOLIS MONTROSE ST. PAUL MANKATO WINONA LAKE SUPERIOR MISSISSIPPI RIVER

OFF.

AUTO W FILG. STA. (CINDER BLK.)

REST. (CINDER BLK.)

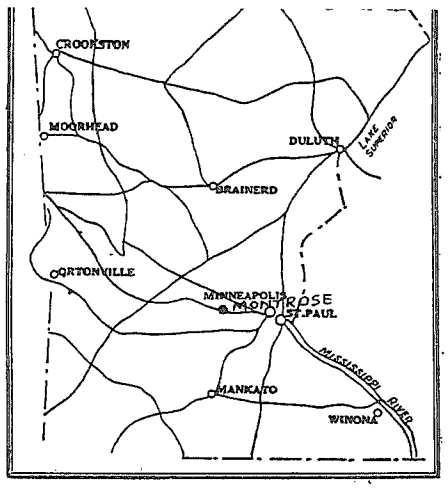
AUTO REP.

HAVEN & WRIGHT'S ADD'N.

E

1951 Fisher Map

Montrose



U.S. HIGHWAY No. 12

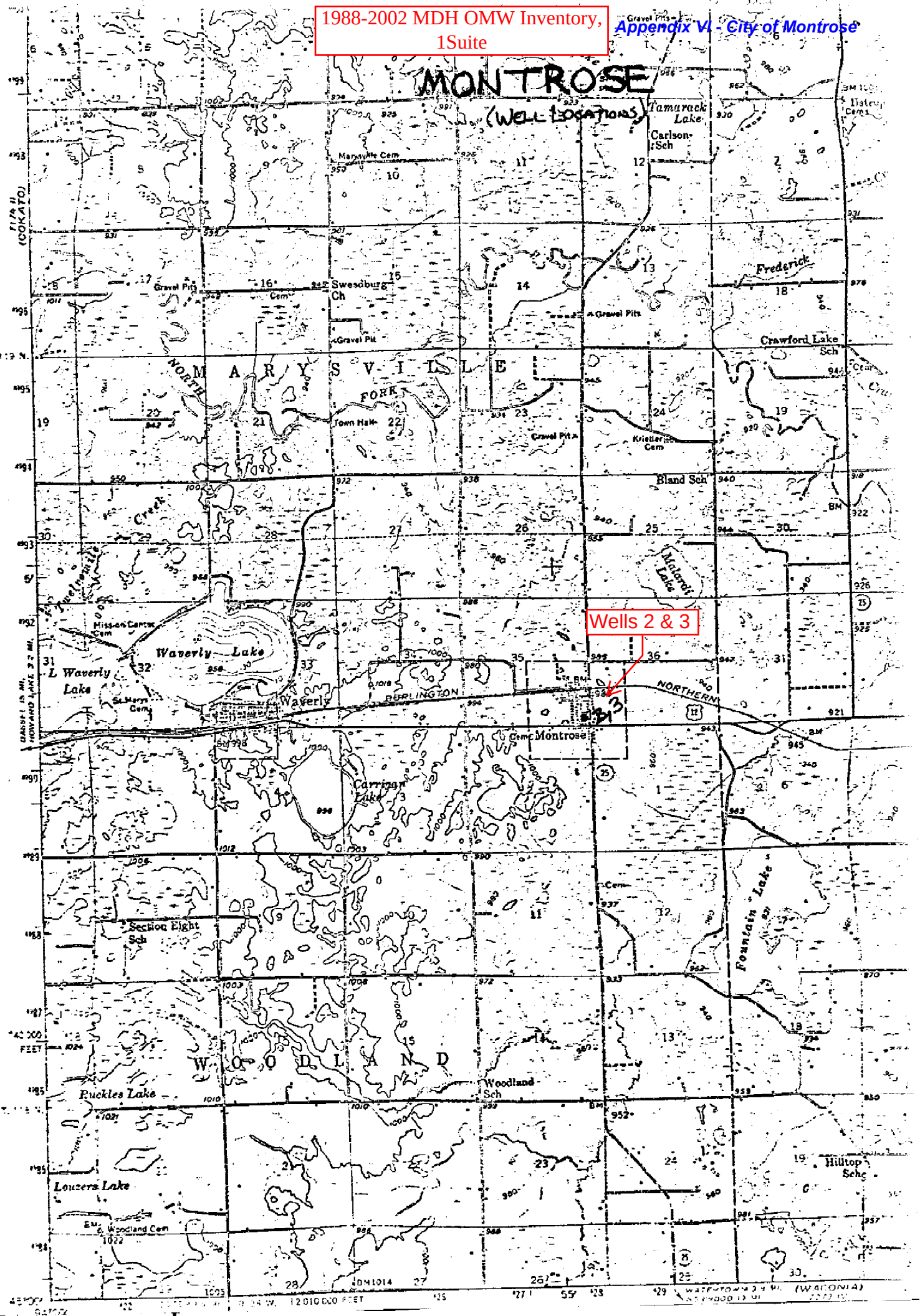
HAVEN & WRIGHT'S ADD'N.

CENTER

L.E. STREATER LUMBER CO.

Creamery. Which one?

Scale of feet


MONTROSE
(Well Locations)
Wells 2 & 3
Tamarack Lake
Carlson Sch
Frederick
Crawford Lake Sch
Bland Sch
Waverly Lake
L Waverly Lake
Waverly
Carrigan Lake
Montrose
Section Eight Sch
Fountain Lake
Ruckles Lake
Woodland Sch
Louzers Lake
Hilltop Sch
Motorist Lake
Swedsburg Ch
Gravel Pits
Town Hall
Cem
NORTH FORK
CREEK
NORTHERN
BURLINGTON

MONTROSE

Below are descriptions of your municipal wells according to our records. On the opposite side of this sheet is a map of your municipality, and the location of your municipal wells, located as accurately as possible using our present records. Please confirm or correct the location and numbering of your wells and include any wells that are not shown.

Well No.	Well Depth	Casing Dia.	Casing Depth	Drop Pipe Length		Year Installed	Status
2	181'	12"	175'	106'	E	1978	ACTIVE
3	184'	12"	157'		D	1979	

Well construction details are slightly different than actual values.
Based on "Year Installed" shown here, it appears Wells 2 & 3 had names switched.

Thank you for your cooperation!

A

OK 21801.3 119.26.35 ddd

#1 Cmts VL-24

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

MGS#557 field check M.McBride 7-8-69

RECORD OF WELL

11

1. Location: State Minnesota County Wright
Nearest P. O. Montrose Direction from P. O.
Distance from P. O. ___ miles; SE ¼ sec. 35, T. 119, R. 26 W.
If in city, give street and number
No. 1
Locate well on plat of section.

Field Checked-See back GWQ001

2. Owner: Village of Montrose, Minn. Address Montrose, Minn.
Driller: Max Renner Well Co. Address St. Louis Park, Minn.
119-26-35 ddA bdb
3. Situation: Is well on upland, in valley, or on hillside?
4. Elevation of top of well: 1000 ft. Above the level of Sea. elev. 995±5'
(Above or below) (Sea, depot, lake, or stream)
5. Type of well: drilled; kind of drilling rig used 122-C
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 693 ft.; year in which well was finished June 1940
Does well enter rock? ___; if so, at what depth? ___ ft.; kind of rock owner
7. Diameter: At top 10 inches; at bottom 8 inches.
8. Principal water bed: sandstone
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed 535 ft.; thickness of bed 158 ft.
If other water supplies were found, give depth to each
9. Casings: Kind steel; size 10"; length 528 ft.; between depths of +2 and 526 ft.
Kind ___; size ___; length ___ ft.; between depths of ___ and ___ ft.
Kind ___; size ___; length ___ ft.; between depths of ___ and ___ ft.
Packers (if any): Depth at which packers were used ___; kind ___
Screen or Strainer: Was well finished with screen? no; kind of screen ___;
length of screen ___ ft.; diameter ___ inches; size of openings ___

CODED

10. Head: Does well at present overflow without pumping? ___; did it overflow when new? ___;
if flowing, give pressure ___ lbs. per sq. inch or height water will rise in a pipe ___ ft. above surface;
original pressure or head ___; not flowing, give water level in well 78 ft. below surface.
11. Pump: Is the well pumped? ___; kind of pump ___;
size or capacity of pump ___; kind of power ___
12. Yield: Natural flow at present (if any) ___ gallons per minute; original flow ___ gallons per minute;
well has been pumped at 125 G.P.M. with 35 ft. drawdown for 7 hours gallons per minute continuously for ___ hours;
160 G.P.M. with 45 ft. drawdown for 5 hours.
quantity of water ordinarily obtained from well ___ gallons per day.
13. Use: For what purpose is the water used? ___
Quality of the water: ___; is there an analysis? ___
(Hard or soft, fresh or salty, etc.)
Temperature of water ___ ° F.
Cost of well, not including pump: ___
Name of person filling blank ___
Date ___ Address ___

6—0442

On the back of this sheet give the record of the beds through above.

LOG OF WELL

A

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	To—	THICKNESS, IN FEET	REMARKS (Especially information as to water)
clay, soil Black dirt and clay	0	10	10	
Sand SAND	10	12	2	"Surface" water
Blue clay clay	12	64	52	
Blue clay and sand clay, sand	64	94	30	
Fine sand sand	94	112	18	Water
Blue clay and gravel clay, GRVL	112	135	23	
Yellow hard pan GRVL, clay, SAND	135	152	17	
Coarse sand SAND	152	183	31	Water
White shale SHLE	183	184	1	T/807
Red shale SHLE	184	196	12	
Light blue shale and soft sandstone (mixed) SHLE SNDS	196	277	81	T/794
Red shale SHLE, CLAY	277	290	13	
Light blue shale and soft sandstone SHLE, SNDS	290	325	35	T/700
Sandstone SNDS	325	331	6	Water T/665
Light blue shale and soft sandstone SNDS, SHLE	331	370	39	T/659
Hard red shale, pebbles SHLE, SNDS	370	377	7	T/620
Red, blue and green shale SHLE	377	399	22	
Light blue shale and soft sandstone SHLE, SNDS	399	490	91	
Soft white sandstone SNDS	490	520	30	Water T/500
Soft, pink sandstone SNDS	520	525	5	
Coarse and white (quartz crystals) sandstone SNDS, CNGL	525	530	5	
Dark red shale and sandstone SHLE, SNDS	530	535	5	T/460
Red hard sandstone SNDS	535	620	85	Water T/455
				Continued

LOG OF WELL

A

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	DEPTH, IN FEET To—	THICKNESS, IN FEET	REMARKS (Especially Information as to water found)
Continued:				
CMSH				
Light red sandstone SNDS	620	693	73	Water
			1 29	
Aquifer				
CMTS- PY HN				
Field Checked				
119-26-25 DDABA				
El. 1190 ft				
Buffalo Grd 122				

Source of data: Print of driller's log by Druar and Mitkowski, Engineers; on file with Minnesota Geological Survey.

U. S. GOVERNMENT PRINTING OFFICE 6—0642

235853

#2 QBAA VL-10

STEVENS
Well Drilling Co., Inc.

Long Lake, Minn. 473-9409 473-3800
Montrose, Minn. 675-2691
Buffalo, Minn. 682-2851

Name Village of Montrose 119-26-35ddAACC
Address No. 2 elev. 995±5'
Phone 122-C
☐ New Well ☐ Pump ☐ Well Repair Date Sept. 1-1974

Well Size 12" Depth 184'
Screen: Size ..... Length 27'
Lead Size ..... Length .....
Water Raise ..... Pumping Level ..... Test .....
Type Water Sand Coarse - Yellow .....

Pump ..... H.P. .....
G.P.H. ..... Pumping Pressure .....
Drop Pipe Size ..... Length .....
Drilling Notes .....

LOCATED BY
1 - ☐ Address Verification
2 - ☐ Name on Mailbox
3 - ☐ Lot-Block
4 - ☐ Plat Book
5 - ☑ Info. From Owner
6 - ☐ Info. From Neighbor
7 - ☐ Other_____
☐ Can't Locate State Why

WELL LOG

D

0-4	yellow Clay - Fill
4-7	Black Dirt
7-11	Blue + yellow Clay
11-14	yellow Clay
14-35	Blue Clay
35-50	Blue Clay + Sand
50-65	Blue Clay + Gravel
65-85	Blue Clay + Sand
85-95	Gummy Blue Clay
95-115	Blue Clay + Sand
115-125	Hard Gravel + Clay
125-135	Brown Sand - Dirty
135-140	Coarse Gravel + Clay - Light
140-150	Coarse Gravel + Clay - Tan
150-156	Brown Sand + Clay
156-158	Dirty yellow Sand
158-184	Yellow Water Sand
184-185	Hard Ledge

235853

WATER WELL RECORD

Minnesota Statutes 156A.01-.08

MINNESOTA UNIQUE WELL NO. 149692

for Water Sample

County Name: WRIGHT

Township Name: MONTROSE | Township Number: 119 N/S | Range Number: 26 E/W | Section No.: 35 | Fraction: se se se

Distance and Direction from Road Intersections or Street Address and City of Well Location: 200ft S of water towner

Show exact location of well in section grid with "X." Sketch map of well location.

Addition Name:

Block Number:

Lot Number:

1. PROPERTY OWNER'S NAME: City of Montrose

Address: Montrose, Minnesota 55363

Well No. 3

4. WELL DEPTH (completed): 181 ft. | Date of Completion: 14DEC 78

5. 1 Cable tool 2 Hollow rod 3 Rotary 4 Reverse 5 Air 6 Jetted 7 Driven 8 Bored 9 Power Auger 10 Dug 11 ____

6. USE: 1 Domestic 2 Irrigation 3 Test Well 4 Public Supply 5 Municipal 6 Air Conditioning 7 Industry 8 Commercial 9 ____ #3 QBAA VC-11

7. CASING: 1 Black 2 Galv. 3 ____ 4 Threaded 5 Welded 6 ____ | HEIGHT: Above/Below | Drive Shoe? Yes X No ____

Surface: one ft.

12 in. to 158 ft. Weight 49.56 lbs./ft.

____ in. to ____ ft. Weight ____ lbs./ft.

____ in. to ____ ft. Weight ____ lbs./ft.

HOLE DIAM: ____ in. to ____ ft. | ____ in. to ____ ft. | ____ in. to ____ ft.

8. SCREEN: Make JONSONS | Type STAINLESS STEEL | Dia. 10 Tel | Slot/Gauze 40 slot | Length 25ft | Set between 158 ft. and 181 ft. | ____ ft. and ____ ft. | ____ ft. and ____ ft.

Or open hole from ____ ft. to ____ ft.

FITTINGS:

9. STATIC WATER LEVEL: 68 ft. 1 below land surface 2 above | Date Measured 10DEC78

10. PUMPING LEVEL (below land surface): ~~40 ft.~~ 108 ft. after 5 hrs. pumping 900 g.p.m. | ____ ft. after ____ hrs. pumping ____ g.p.m.

11. WELL HEAD COMPLETION: 1 Pitless adapter 2 Basement offset 3 At least 12" above grade

12. Well grouted? 1 Yes 2 No | Cu. Yds. 10 | 1 Neat Cement 2 Bentonite 3 ____ | Depth: from 0 ft. to 158 ft. | from ____ ft. to ____ ft.

13. Nearest sources of possible contamination: ____ feet ____ direction ____ type

Well disinfected upon completion? Yes No

14. PUMP: Date Installed 14DEC78 | Not Installed

Manufacturer's Name JACUZZI

Model Number 15S6H4 | HP 20 | Volts 230

Length of drop pipe 106 ft. | capacity 220 g.p.m.

Material of drop pipe 4" black T & C

Type: 1 Submersible 2 Jet 3 L. S. Turbine 4 Centrifugal 5 Reciprocating 6 ____

2. FORMATION LOG

FORMATION	COLOR	HARDNESS OF FORMATION	FROM	TO
CLAY	YELLOW		0	32
CLAY	GRAY		32	74
CLAY & GRAVEL	GRAY		74	77
CLAY	GRAY		77	111
CLAY & GRAVEL	GRAY		111	112
SAND & GRAVEL	DARK		112	127
SAND & CLAY	GRAY		127	148
CLAY	YELLOW		148	153
CLAY	GRAY		153	164
GRAVEL	BROWN		164	186

119-26-35ddAcdd

elev. 995±5'

122-C

LOCATED BY

1 - ☐ Address Verification
2 - ☐ Name on Mailbox
3 - ☐ Lot-Block
4 - ☐ Plat Book
5 - ☑ Info. From Owner
6 - ☐ Info. From Neighbor
7 - ☐ Other
☐ Can't Locate State Why

Use a second sheet, if needed.

15. REMARKS, ELEVATION, SOURCE OF DATA, etc.

NOTE: allow 5ft deduction for table in the above figures....

16. WATER WELL CONTRACTOR'S CERTIFICATION

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

E. H. RENNER & SONS INC — Licensee Business Name — License No. 27015

Address: 6300 INDUSTRY Ave NW ANOKA, MN 55303

Signed: ____ Authorized Representative | Date: 10JAN79

Name of Driller: ____ | Date: ____

MINN. GEOLOGICAL SURVEY COPY

5/74 30M
7/76 30M

4276100

11 feet below the surface. When pumped at the rate of 50 gallons per minute the well has a drawdown of less than 5 feet.

The well at the depot of the Minneapolis, St. Paul and Sault Ste Marie Railway Company penetrates the drift and enters the underlying sandstones. (See accompanying log.)

Well at Railway Depot, Buffalo. Elevation 980 ft.*

		DEPTH (feet)	THICKNESS (feet)
Drift	Clay	0–35	35
	Sand	35–37	2
	Blue boulder clay	37–282	245
	Sand	282–319	37
	Quicksand	319–325	6
	Sand and gravel	325–356	31
	Sand and large stones	356–386	30
	Clean sand	386–395	9
Cambrian	Sandstone	395–533	138

* From Meinzer, *op. cit.*, p. 383.

On the farm of Charles Gilbert, half a mile south of the village, a well penetrates 300 feet of glacial drift and 8 feet of white sandstone, and on the farm of James Barnacle, half a mile south of the south shore of Buffalo Lake, the well passes through 315 feet of drift and 22 feet of white sandstone.

Delano

The village of Delano is located in the valley of the Crow River, near the southeastern corner of the county. The public water supply was formerly taken from a group of shallow driven wells in which the water stood a few feet below the surface. When pumped simultaneously at a total rate of about 250 gallons per minute the wells showed no appreciable drawdown. A new village well, completed in 1937, is 12 inches in diameter and 140 feet deep, with a static level 9 feet below the surface. When pumped at the rate of 360 gallons per minute it has a drawdown of 13 feet. (See accompanying log.)

Village Well at Delano. Elevation 935 ft.

		DEPTH (feet)	THICKNESS (feet)
Drift	Loamy soil	0–10	10
	Hardpan	10–53	43
	Quicksand	53–64	11
	Clay and gravel	64–89	25
	Sand (some water)	89–116	27
	Clayey gravel	116–120	4
	Clean gravel	120–140	20

Montrose

The village of Montrose is located on the upland between the valleys of the north and south forks of the Crow River. The water supply was

formerly taken from a drift well 120 feet deep, but in 1940 a deep well drawing water from the bottom member (Mt. Simon) of the Dresbach formation was completed. This well is 10 inches in diameter and 693 feet deep, with a static level 78 feet below the surface. When tested at the rate of 125 gallons per minute it showed a drawdown of 35 feet. When pumped 160 gallons per minute for five hours it showed a drawdown of 45 feet. (See accompanying log.)

A

Village Well, Montrose. Elevation 995 ft.

		DEPTH (feet)	THICKNESS (feet)
Drift	Loamy soil	0–10	10
	Sand and clay	10–64	54
	Blue clay and sand	64–94	30
	Fine sand	94–112	18
	Blue clay and gravel	112–135	23
	Hard yellow clay	135–152	17
	Coarse sand	152–183	31
	White shale	183–184	1
	Red shale	184–196	12
Franconia	Blue-green shale and soft sandstone	196–277	81
	Red shale	277–290	13
	Bluish shale and soft sandstone	290–325	35
Dresbach			
Galesville	Sandstone	325–331	6
Eau Claire	Blue shale and sandstone	331–370	39
	Hard red shale	370–377	7
	Blue and green shale	377–399	22
	Blue shale and sandstone	399–490	91
Mt. Simon	White sandstone	490–520	30
	Pink sandstone	520–525	5
	Buff and white sandstone with quartz pebbles	525–530	5
	Reddish shale and sandstone	530–535	5
Hinckley (in part)	Pink hard sandstone	535–693	158

Monticello

The village of Monticello is built on the south bank of the Mississippi River and adjoining alluvial terraces. The thick beds of sand and gravel furnish water freely to numerous shallow driven and bored wells in the village. The public well is 8 inches in diameter and 237 feet deep. When completed it flowed to a level 5 feet above the top of the well, or about 918 feet above sea level. When pumped at the rate of 275 gallons per minute for five hours the level was lowered only 2 feet.

Cokato

The public water supply at Cokato is taken from two wells that terminate in the glacial drift. One is 90 feet deep; the other, 130 feet deep. The static level in each is about 60 feet below the surface. There are many private wells for domestic supplies. The well at the canning factory is 130 feet deep and draws water from a bed of gravel in the drift. (See accompanying log.)

TABLE 131. — ANALYSES OF WATERS OF WRIGHT COUNTY *

	1	2	3	4	5	6	7	8	9	10
Depth (feet)	200	339	240	140	...	441	248	18	177	693
Hardness	355	310	165	387	119	303	104	265	425	430
Alkalinity	260	312	184	396	128	400	236	244	428	460
Iron	0.2	2.4	1.4	0.5	tr.	0.3	0.1	0	1.6	0.12
Manganese	...	...	...	...	...	...	...	...	0.4	0.24
Chlorine	21	1	0	0	6	12.5	0	0	1.5	0.8
SO_4 radical	...	...	...	...	...	...	...	...	4.8	11
Turbidity	2	25	10	10	10	5	5	0	15	0.9
Color	10	35	33	65	30	35	12	5	15	0
Odor	e-1	0	d-1	0	v-2	0	0	e-1	...	...
pH value	...	...	...	...	...	...	...	...	7.6	7.5

* Data from State Board of Health Laboratory. Hardness, alkalinity, iron, and chlorine in terms of parts per million (1 grain per gallon = 17.1 p.p.m.). For key to turbidity and items following, see standards in section III.

1. Village well at Annandale. June 12, 1927.
2. City well at Buffalo. July 8, 1924.
3. Well at Municipal Power Plant, Buffalo.
4. City well at Cokato. August 11, 1921.
5. Lake water from Howard Lake. September 28, 1925.
6. Village well at Maple Lake. January 2, 1914.
7. City well at Monticello. June 12, 1926.
8. Village well at South Haven.
9. Village well at Delano.
10. Village well at Montrose.

A

TABLE 132. — MINERAL ANALYSES OF WATERS OF WRIGHT COUNTY
(Analyses in parts per million)

	Surface Deposits (Glacial Drift, etc.)				Undetermined				Dresbach (?) Sandstone
	1	2	3	4	5	6	7	8	9
Depth (feet)	46	89	125	290	237	197	444	...	307
Diameter of well (inches)	3	2	3	...	8	2	2	...	...
Silica (SiO_2)	24	20	28	20	26	11	9.2	19	...
Iron (Fe)	0.4	1.8	0.6	0.6	tr.	0.3	0.4	...	0.6
Iron and aluminum oxides ($Fe_2O_3 + Al_2O_3$)	1.6	1.6	2.4	4	2	2	1.6	11	1.6
Calcium (Ca)	102	51	96	42	57	104	76	101	55
Magnesium (Mg)	30	37	34	14	25	43	37	39	21
Sodium and potassium (Na + K)	29	79	19	6	3	15	21	5	9
Carbonate radical (CO_3)	0	0	0	0	0	0	0	...	0
Bicarbonate radical (HCO_3)	498	517	468	176	293	527	317	492	268
Sulphate radical (SO_4)	31	16	40	29	12	37	124	13	20
Chlorine (Cl)	1	3	1.5	2	2	2	1	5	2
Nitrate radical (NO_3)	0	0	0	0	0	0	0	...	0
Total solids	471	469	455	208	276	485	431	435	260

1. Village wells at Delano. October 8, 1907.
2. Well of James Engstrom near Buffalo, SE 1/4, Sec. 19, T. 120 N., R. 25 W. October 11, 1907.
3. Village well at Cokato. October 9, 1907.

Appendix VI - City of Montrose

A

Minnesota Unique Well No.
218013

County Wright
Quad Waverly
Quad ID 122C

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes Chapter 103I

Entry Date 04/17/1988
Update Date 01/20/2011
Received Date

Well Name MONTROSE 1

Township	Range	Dir	Section	Subsections	Elevation
119	26	W	35	DDABDD	995 ft.

Elevation Method: 7.5 minute topographic map (+/- 5 feet)

Well Depth	Depth Completed	Date Well Completed
693 ft.	693 ft.	06/00/1940

Drilling Method: Cable Tool

Well Address

MONTROSE MN 55363

Geological Material	Color	Hardness	From	To
DIRT & CLAY	BLACK		0	10
SAND			10	12
CLAY	BLUE		12	64
CLAY & SAND	BLUE		64	94
FINE SAND			94	112
CLAY & GRAVEL	BLUE		112	135
HARDPAN	YELLOW		135	152
COARSE SAND			152	183
SHALE	WHITE		183	184
SHALE	RED		184	196
SHALE & SANDS (MIXED)	LT. BLU	SOFT	196	277
SHALE	RED		277	290
SHALE & SANDSTONE	LT. BLU	SOFT	290	325
SANDSTONE			325	331
SHALE & SANDSTONE	LT. BLU	SOFT	331	345
SHALE & SANDSTONE	LT. BLU	SOFT	345	370
SHALE PEBBLES	RED	HARD	370	377
SHALE	VARIED		377	399
SHALE & SANDSTONE	LT. BLU	SOFT	399	402
SHALE & SANDSTONE	LT. BLU	SOFT	402	461
SHALE & SANDSTONE	LT. BLU	SOFT	461	490
SANDSTONE	WHITE	SOFT	490	520
SANDSTONE	PINK	SOFT	520	524
SANDSTONE	PINK	SOFT	524	525
QUARTZ CRYSTALS	TAN/WHT		525	530
SHALE & SANDSTONE	DK. RED		530	535
SANDSTONE	RED	HARD	535	620
SANDSTONE	LT. RED		620	693

REMARKS
GAMMA LOGGED 6-21-1985 & 9-6-1991.
M.G.S. NO. 537. M.G.S. NO. 33. GWQ NO. 0001.

Located by: Minnesota Geological Survey
Method: Digitized - scale 1:24,000 or larger (Digitizing Table)
Unique Number Verification: Information from owner
Input Date: 04/12/1995
System: *UTM - Nad83, Zone15, Meters* X: 428151 Y: 4990902

Cuttings Yes Borehole Geophysics Yes
First Bedrock Phanerozoic undiff.
Last Strat Hinckley Sandstone
Aquifer Hinckley Sandstone
Depth to Bedrock 184 ft.

Drilling Fluid: --
Well Hydrofractured? ☐ Yes ☐ No
From Ft. to Ft.

Use Community Supply PWS ID Source

Casing Type Steel (black or low carbon) Joint No Information Drive Shoe? ☐ Yes ☐ No Above/Below ft.

Casing Diameter	Weight	Hole Diameter
10 in. to 526 ft.	lbs./ft.	

Open Hole from 526 ft. to 693 ft.

Screen NO Make Type

Diameter	Slot/Gauze	Length	Set Between

Static Water Level
78 ft. from Land surface Date Measured 06/00/1940

PUMPING LEVEL (below land surface)
35 ft. after 7 hrs. pumping 125 g.p.m.

Well Head Completion
Pitless adapter manufacturer Model
☐ Casing Protection ☐ 12 in. above grade
☐ At-grade (Environmental Wells and Borings ONLY)

Grouting Information Well Grouted? ☐ Yes ☐ No

Nearest Known Source of Contamination
__feet __direction __type
Well disinfected upon completion? ☐ Yes ☐ No

Pump ☐ Not Installed Date Installed
Manufacturer's name Model number __ HP _ Volts
Length of drop Pipe _ ft. Capacity _ g.p.m Type Material

Abandoned Wells Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No

Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No

Well Contractor Certification

Renner Max Well Co.	27246	RENNER, M.
License Business Name	Lic. Or Reg. No.	Name of Driller

County Well Index Online Report

218013

Printed 12/30/2013
HE-01205-07

E

Appendix VI - City of Montrose

Minnesota Unique Well No.
149692

County Wright
Quad Waverly
Quad ID 122C

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes Chapter 103I

Entry Date 04/17/1988
Update Date 08/13/2009
Received Date

Well Name MONTROSE 3
Township Range Dir Section Subsections Elevation 992 ft.
119 26 W 35 DDACDA Elevation Method 7.5 minute topographic map (+/- 5 feet)

Well Depth	Depth Completed	Date Well Completed
186 ft.	181 ft.	12/14/1978

Drilling Method Non-specified Rotary

Well Address
MONTROSE MN 55363

Geological Material	Color	Hardness	From	To
CLAY	YELLOW		0	32
CLAY	GRAY		32	74
CLAY & GRAVEL	GRAY		74	77
CLAY	GRAY		77	111
CLAY & GRAVEL	GRAY		111	112
SAND & GRAVEL	DARK		112	127
SAND & CLAY	GRAY		127	148
CLAY	YELLOW		148	153
CLAY	GRAY		153	164
GRAVEL	BROWN		164	186

Drilling Fluid --
Well Hydrofractured? ☐ Yes ☐ No
From Ft. to Ft.

Use Community Supply PWS ID 1860016 Source S02

Casing Type Steel (black or low carbon) Joint Welded Drive Shoe? ☑ Yes ☐ No Above/Below 1 ft.

Casing Diameter	Weight	Hole Diameter
12 in. to 158 ft.	49.56 lbs./ft.	

Open Hole from ft. to ft.

Screen YES Make JOHNSON Type stainless steel

Diameter	Slot/Gauze	Length	Set Between
10	40	25	158 ft. and 181 ft.

Static Water Level
68 ft. from Land surface Date Measured 12/10/1978

PUMPING LEVEL (below land surface)
108 ft. after 5 hrs. pumping 900 g.p.m.

Well Head Completion
Pitless adapter manufacturer Model
☐ Casing Protection ☑ 12 in. above grade
☐ At-grade (Environmental Wells and Borings ONLY)

REMARKS
M.G.S. NO. 1525.

Located by: Minnesota Department of Health
Method: GPS SA On (averaged)
Unique Number Verification: Information from owner
Input Date: 02/25/1999
System: *UTM - Nad83, Zone15, Meters*
X: 428151 Y: 4990790

Grouting Information Well Grouted? ☑ Yes ☐ No

Grout Material: Neat Cement from 0 to 158 ft. 10 yrds.

Nearest Known Source of Contamination
__feet __direction __type

Well disinfected upon completion? ☑ Yes ☐ No

Pump ☑ Not Installed Date Installed 12/14/1978
Manufacturer's name JACUZZI Model number 15S6H4 HP 20 Volts 230
Length of drop Pipe 106 ft. Capacity 220 g.p.m Type Submersible Material Steel (black or low carbon)

Abandoned Wells Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No

Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No

Cuttings Yes
First Bedrock
Last Strat gravel (+larger)-brown
Aquifer Quat. Buried Artes. Aquifer
Depth to Bedrock ft.

Well Contractor Certification
Renner E.H. & Sons | 27015
License Business Name | Lic. Or Reg. No. | Name of Driller

County Well Index Online Report **149692** Printed 12/30/2013
HE-01205-07

Test Well

F Appendix VI - City of Montrose

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes Chapter 1031

MINNESOTA UNIQUE WELL NO. 667881

WELL LOCATION

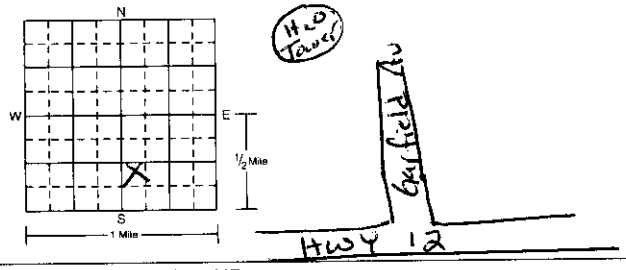
County Name: Wright

Township Name	Township No.	Range No.	Section No.	Fraction
Marysville	119	26	35	NW SW SE

House Number, Street Name, City, and Zip Code of Well Location: 400 Garfield Av Montrose 55363 — or Fire Number:

Show exact location of well in section grid with "X". Test well (X) N

Sketch map of well location. Showing property lines, roads and buildings.



PROPERTY OWNER'S NAME: City of Montrose

Property owner's mailing address if different than well location address indicated above: P.O. Box 25 Montrose, MN 55363

WELL OWNER'S NAME: City of Montrose

Well owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
log attached				

Use a second sheet, if needed

REMARKS, ELEVATION, SOURCE OF DATA, etc.

Open hole was grouted back to 180' before well construction. Casing was pulled & hole grouted within 48 hrs of construction

MINN. DEPT. OF HEALTH COPY 667881

WELL DEPTH (completed): 178 ft. — Date Work Completed: 12-19-01

DRILLING METHOD: ☐ Cable Tool ☐ Auger ☐ Driven ☒ Rotary ☐ Dug ☐ Jetted ☐ _____

DRILLING FLUID: Bentonite / H_2O — WELL HYDROFRACTURED? ☐ YES ☐ NO — FROM _____ ft. to _____ ft.

USE: ☐ Domestic ☐ Irrigation ☒ Environ. Bore Hole ☐ Monitoring ☐ Community PWS ☐ Noncommunity PWS ☐ Dewatering ☐ Heating/Cooling ☐ Industry/Commercial ☐ Remedial ☐ _____

CASING: ☐ Steel ☒ Plastic — Drive Shoe? ☐ Yes ☒ No — ☐ Threaded ☒ Glued ☐ Welded

CASING DIAMETER		WEIGHT		HOLE DIAM.	
4 in. to 158 ft.		SDR21 lbs./ft.		6¼ in. to 242 ft.	
_____ in. to _____ ft.		_____ lbs./ft.		_____ in. to _____ ft.	
_____ in. to _____ ft.		_____ lbs./ft.		_____ in. to _____ ft.	

SCREEN Yes — Make _____ — Type Slotted PVC — Diam. 4" — Slot/Gauze 10 — Length 20' — Set between 158 ft. and 178 ft. FITTINGS: Cap

OPEN HOLE: from _____ ft. to _____ ft.

STATIC WATER LEVEL: 56.58 ft. ☒ below ☐ above land surface — Date measured 12-18-01

PUMPING LEVEL (below land surface): 162.61 ft. after 7 hrs. pumping 60 g.p.m.

WELL HEAD COMPLETION: ☐ Pitless adapter manufacturer _____ Model _____ ☐ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)

GROUTING INFORMATION: Well grouted? ☒ Yes ☐ No

Grout Material: ☐ Neat cement ☐ Bentonite ☐ Concrete ☒ High Solids Bentonite

from GL to 242 ft.	18	☐ yds.	☒ bags
from _____ to _____ ft.	_____	☐ yds.	☐ bags
from _____ to _____ ft.	_____	☐ yds.	☐ bags

NEAREST KNOWN SOURCE OF CONTAMINATION: N/A feet _____ direction _____ type

Well disinfected upon completion? ☐ Yes ☐ No

PUMP: ☐ Not installed — Date installed _____

Manufacturer's name _____

Model number _____ HP _____ Volts _____

Length of drop pipe _____ ft. Capacity _____ g.p.m.

Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ _____

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE: Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# _____

WELL CONTRACTOR CERTIFICATION

This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

L.T.C. Enterprises, Inc. — Licensed Business Name — 9686 — Lic. or Reg. No.

Authorized Representative Signature — 12-19-01 — Date

Rod Theisen — Name of Driller — 12-19-01 — Date

HE-01205-07 (Rev. 2/99)

FEB 2002 RECEIVED WELL MGT.

5/1/02

IC# 140-0020

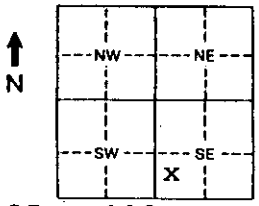
Test Well

F

667881

LTP Enterprises, Inc. Well Drilling

FARGO, N.D.
HUTCHINSON, MN.



Sec. 35 T 119N R 26W

DRILLERS LOG

Drilled for City of Montrose By HUTCHINSON Office

Location of Test Hole By new water tower on Garfield Av.

Test Hole No. 1 Well No. 1

Size of test hole 6¼" Date started 12/12/01 Date completed 12/19/01 Total Hours

FORMATIONS DRILLED

TYPE OF FORMATION	COLOR OF FORMATION	STARTED AT WHAT DEPTH	ENDED AT WHAT DEPTH	THICKNESS OF FORMATION
Top soil	black	0	1	
Clay	LT. brown	1	8	
Sandy clay w/pebbles	brown	8	16	
Sandy clay	gray	16	32	
Clay sticky	gray	32	47	
Sandy clay	gray	47	55	
Sand/gravel	colored	55	56	
Sandy clay	gray	56	64	
Clay w/sand & gravel	gray	64	81	
Sandy clay	gray	81	104	
Dirty sand	colored	104	112	
Rock	black	112	113	
Clay w/pea rock	gray	113	119	
Rock	black	119	121	
Sandy clay w/pebbles	gray	121	132	
Clay w/gravel	gray	132	143	
Sandy clay w/gravel	red/brown	143	157	
Sand & pea rock	colored	157	179	
Clay w/some pea rock	yellow/wt	179	183	
Sandy clay	colored	183	192	
Clay	white	192	207	
Clay	blue/white	207	242	

FEB 2002 RECEIVED WELL MGT.

Signed Rod Theisen Driller

FORM #20

Test Well

F

PUMPING TEST

By LTP Enterprises, Inc. Well Drilling

667881

MAIN OFFICE FARGO, ND

Hutchinson, MN 55350 Box 86 Phone (320) 587-4400

Owner City of Montrose

Well No Test Well #1

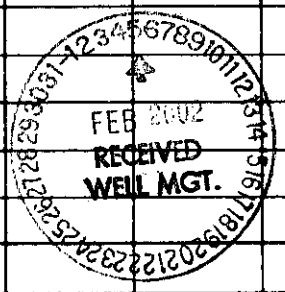
Location Next to new water tower

Date started 12/18/2001

Static 56.58'

Time	Time in Minutes	Pumping Level	Drawdown	GPM
2:30 pm	0	56.58	0	60
2:45	15	57.56	.98	
3:00	30	61.40	4.82	
3:15	45	61.88	5.30	
3:30	60	62.18	5.60	
3:45	75	62.42	5.84	
4:00	90	62.61	6.03	
4:30	120	62.61	6.03	
5:00	150	62.61	6.03	
5:30	180	62.52	5.94	
6:00	210	62.58	6.00	
6:30	240	62.59	6.01	
7:00	270	62.62	6.04	
7:30	300	62.61	6.03	
8:00	330	62.60	6.02	
8:30	360	62.61	6.03	
9:00	390	62.61	6.03	
9:30	420	62.61	6.03	

Time	Time in Minutes	Pumping Level	Drawdown	GPM



form 102

Appendix VI - City of Montrose

G

Minnesota Unique Well No.
149712

County Wright
Quad Waverly
Quad ID 122C

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes Chapter 103I

Entry Date 04/17/1988
Update Date 08/13/2009
Received Date

Well Name MONTROSE TW
Township Range Dir Section Subsections Elevation 995 ft.
119 26 W 35 DDADCC Elevation Method 7.5 minute topographic map (+/- 5 feet)

Well Depth	Depth Completed	Date Well Completed
186 ft.	186 ft.	10/23/1978

Drilling Method Non-specified Rotary

Well Address
MONTROSE MN 55363

Geological Material	Color	Hardness	From	To
CLAY	YELLOW		0	34
CLAY	GRAY		34	74
CLAY & GRAVEL	GRAY		74	76
CLAY	GRAY		76	110
CLAY & GRAVEL	GRAY		110	112
SAND & GRAVEL	DARK		112	127
SAND & CLAY	GRAY		127	149
CLAY	YELLOW		149	153
CLAY	GRAY		153	162
GRAVEL & CLAY	RED		162	164
GRAVEL	BROWN		164	186

Drilling Fluid --
Well Hydrofractured? ☐ Yes ☐ No
From Ft. to Ft.

Use Test well

Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? ☑ Yes ☐ No Above/Below 1 ft.

Casing Diameter	Weight	Hole Diameter
4 in. to 175 ft.	10.79 lbs./ft.	

Open Hole from ft. to ft.

Screen YES Make JOHNSON SUPER Type stainless steel

Diameter	Slot/Gauze	Length	Set Between
4	25	5	176 ft. and 181 ft.

Static Water Level
68 ft. from Land surface Date Measured 02/23/1978

PUMPING LEVEL (below land surface)
ft. after hrs. pumping g.p.m.

Well Head Completion
Pitless adapter manufacturer Model
☐ Casing Protection ☑ 12 in. above grade
☐ At-grade (Environmental Wells and Borings ONLY)

REMARKS
200 FT. SOUTH OF WATER TOWER.

Grouting Information Well Grouted? ☑ Yes ☐ No
Grout Material: Bentonite from 0 to ft. 0

Located by: Minnesota Geological Survey
Method: Digitized - scale 1:24,000 or larger (Digitizing Table)
Unique Number Verification: Information from owner
Input Date: 04/12/1995
System: *UTM - Nad83, Zone15, Meters* X: 428171 Y: 4990811

Nearest Known Source of Contamination
__feet __direction __type
Well disinfected upon completion? ☑ Yes ☐ No

Pump ☐ Not Installed Date Installed
Manufacturer's name Model number __ HP 0 Volts
Length of drop Pipe _ft. Capacity _g.p.m Type Material

Abandoned Wells Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No

Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No

Well Contractor Certification
Renner E.H. & Sons 27015
License Business Name Lic. Or Reg. No. Name of Driller

First Bedrock
Last Strat gravel (+larger)-brown
Aquifer Quat. Buried Artes. Aquifer
Depth to Bedrock ft.

County Well Index Online Report **149712** Printed 12/30/2013
HE-01205-07

Well No. 4

Appendix VI - City of Montrose

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes Chapter 1031

MINNESOTA UNIQUE WELL NO. 700302

WELL LOCATION

County Name: WRIGHT

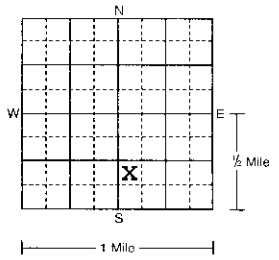
Township Name	Township No.	Range No.	Section No.	Fraction
MARYSVILLE	119	26	35	NW ¼ SW ¼ SE ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____
Longitude ____ degrees ____ minutes ____ seconds ____

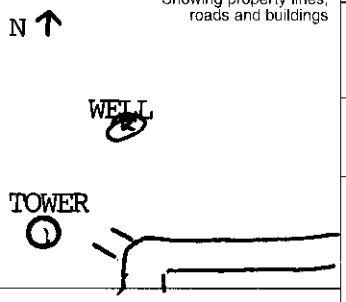
House Number, Street Name, City, and Zip Code of Well Location: 400 GARFIELD AV MONTROSE 55363

or Fire Number:

Show exact location of well in section grid with "X".



Sketch map of well location. Showing property lines, roads and buildings



PROPERTY OWNER'S NAME/COMPANY NAME: CITY OF MONTROSE

Property owner's mailing address if different than well location address indicated above.

P.O. BOX 25
MONTROSE, MN 55363

WELL OWNER'S NAME/COMPANY NAME: SAME

Well owner's mailing address if different than property owners address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
LOG ATTACHED				

Use a second sheet, if needed

REMARKS, ELEVATION, SOURCE OF DATA, etc.

JAN 2005 RECEIVED WELL MGT.

MINN. DEPT OF HEALTH COPY 700302

IC 140-0020

WELL DEPTH (completed): 175 ft. | Date Work Completed: 7/15/04

DRILLING METHOD: Cable Tool | Auger | Driven | X Rotary | Dug | Jetted

DRILLING FLUID: BENTONITE/H2O | WELL HYDROFRACTURED? | Yes | No FROM ____ ft. TO ____ ft.

USE: | Domestic | Noncommunity PWS | X Community PWS | Monitoring | Environ. Bore Hole | Irrigation | Dewatering | Heating/Cooling | Industry/Commercial | Remedial

CASING: X Steel | Plastic | Drive Shoe? Yes X No | Threaded | XX Welded

CASING DIAMETER	WEIGHT	HOLE DIAM.
12 in. to 155 ft.	49.56 lbs./ft.	18 in. to 181 ft.
____ in. to ____ ft.	____ lbs./ft.	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____ in. to ____ ft.

SCREEN YES | OPEN HOLE FROM ____ ft. TO ____ ft.
Make JOHNSON
Type SST | Diam. 12" PS
Slot/Gauze 70 SLOT | Length 20'
Set between 155 ft. and 175 ft. | FITTINGS WR X PLATE

STATIC WATER LEVEL: 58.20 ft. X below above land surface Date measured 10/28/03

PUMPING LEVEL (below land surface): 77.93 ft. after 29 ¼ hrs. pumping 400 g.p.m.

WELL HEAD COMPLETION
X Pitless adapter manufacturer MONITOR Model 9PS1214
Casing Protection | 12 in. above grade
At-grade (Environmental Wells and Boring ONLY)

GROUTING INFORMATION
Well grouted X Yes | No
Grout material X Neat cement | Bentonite | Concrete | High Solids Bentonite
from 145 to 10 ft. 4 X yds. | bags
from ____ to ____ ft. ____ yds. | bags
from ____ to ____ ft. ____ yds. | bags

NEAREST KNOWN SOURCE OF CONTAMINATION: N/A feet ____ direction ____ type
Well disinfected upon completion XX Yes | No

PUMP
Not installed | Date installed 7/15/04
Manufacturer's name GOULDS
Model number 10RALC-2 | HP 30 | Volts 460
Length of drop pipe 105 ft. | Capacity ____ g.p.m.
Type: X Submersible | L.S. Turbine | Reciprocating | Jet

ABANDONED WELLS
Does property have any not in use and not sealed well(s) | Yes | X No

VARIANCE
Was a variance granted from the MDH for this well? Yes X No TN# ____

WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

L.T.P. ENTERPRISES, INC. 9686
Licensee Business Name *Lic. or Reg. No.*

Authorized Representative Signature 8/13/04 *Date*

DUANE VERDECK 8/13/04
Name of Driller *Date*

HE-01205-08 (Rev. 5/02)

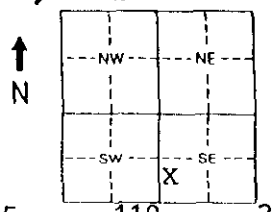
Well No. 4

Appendix H, City of Montrose

70362

LTP Enterprises, Inc. Well Drilling

FARGO, N.D.
HUTCHINSON, MN.



Sec 35 T 119 R 26

DRILLERS LOG

Drilled for CITY OF MONTROSE By HUTCHINSON Office

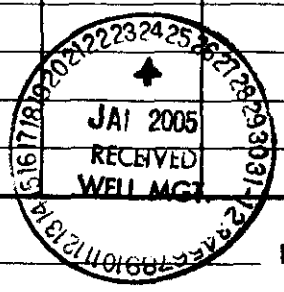
Location of Test Hole 80' NORTH EAST TOWER

Test Hole No. Well No. 4

Size of test hole 6¼ Date started Date completed Total Hours

FORMATIONS DRILLED

TYPE OF FORMATION	COLOR OF FORMATION	STARTED AT WHAT DEPTH	ENDED AT WHAT DEPTH	THICKNESS OF FORMATION
TOP SOIL SILTY	BROWN	0	1	
CLAY	YELLOW	1	15	
CLAY WITH PEBBLES	BROWN	15	19	
SANDY CLAY WITH PEBBLES STICKY	GRAY	19	61	
ROCK	GRAY	61	62	
SANDY CLAY WITH GRAVEL, MIXED	GRAY	62	70	
DIRTY SAND & GRAVEL WITH SANDY CLAY	GRAY	70	79	
SANDY WITH PEBBLES	GRAY	79	99	
SAND DIRTY	GRAY	99	111	
ROCK	GRAY	111	111½	
SAND DIRTY	GRAY	111½	113	
SANDY CLAY WITH STONES & GRAVEL FIRM	GRAY	113	121	
SAND & GRAVEL WITH CLAY	GRAY	121	132	
CLAY WITH GRAVEL MIXED	YELLOW	132	152	
SAND DIRTY	RED	152	153	
SAND & GRAVEL	RED	153	159	
SAND NOT AS MUCH GRAVEL	RED	159	170	
SAND LITTLE COARSER	RED	170	175	
CLAY WITH LENCES GRAVEL	YELLOW/WHITE	175	181	



Signed DUANE VERDECK Driller

FORM #30

Drawdown/Recovery Measurements

700307

Driller L.T.P. ENTERPRISES, INC.

Well No. 4

Date: 10-28-04

Owner CITY OF MONTROSE

Well No. 4

Static Water Level 59.50

ALL READING TAKEN 1.30 ABOVE GL

Time Started 10:30AM

Pumping Test						Recovery Measurement			
Time	Time In Minutes	Pumping Level	Draw Down	GPM	Sand	Time	Time In Minutes	Water Level	Recovery
10:30AM	0	START				10:30	0 SHIT	DOWN PUMP	
	0.5						0.5		
	0.75						0.75		
10:31	1	70.25	10.75	420	NONE	10:31	1	68.30	8.80
10:32	2	71.30	11.80			10:32	2	67.60	8.10
10:33	3	72.00	12.50			10:33	3	67.20	7.70
10:34	4	72.15	12.65			10:34	4	66.80	7.30
10:35	5	72.55	13.05			10:35	5	66.55	7.05
10:38	8	73.05	13.55			10:36	6	66.30	6.80
10:39	9	73.15	13.65			10:37	7	66.14	6.64
10:40	10	73.45	13.95	420	NONE	10:38	8	65.95	6.45
10:50	20	74.50	15.00	410		10:39	9	65.80	6.30
11:00	30	74.90	15.40			10.40	10	65.66	6.16
11:10	40	75.30	15.80	410	NONE	10:42	12	65.40	5.90
11:20	50	75.38	15.88			10:44	14	65.20	5.70
11:30	60	75.73	16.13			10:46	16	65.00	5.50
12:00	90	76.25	16.75			10:48	18	64.81	5.31
12:30PM	120	76.50	17.00	400	NONE	10:50	20	64.57	5.07
1:00	150	76.60	17.10			10:55	25	64.16	4.66
1:30	180	76.85	17.35			11:00	30	63.90	4.40
2:00	210	76.94	17.44			11:05	35	63.60	4.10
2:30	240	76.96	17.46			11:10	40	63.42	3.92
3:00	270	77.10	17.60	400	NONE	11:15	45	63.25	3.75
3:00	300	77.17	17.67			11:20	50	63.60	4.10
4:30	360	77.65	18.15	400		11:25	55	62.90	3.40
5:30	420	78.25	18.75			11:30	60	62.80	3.30
6:30	480	78.55	19.05			12:00	90	62.25	2.75
7:30	540	78.95	19.45			12:30PM	120	61.85	2.35
8:30	600	79.03	19.53			1:00	150	61.58	2.08
10:30	720	78.59	19.09			1:30	180	61.45	1.95
11:30	780	78.28	18.78	400		2:00	210	61.20	1.70
12:30AM	840	78.15	18.65			2:30	240	61.20	1.70
1:30	900	78.05	18.55			3:00	270	61.20	1.70
2:30	960	78.07	18.57			3:30	300	61.10	1.60
3:30	1020	78.06	18.56			4:30	360	61.02	1.52
4:30	1080	87.06	18.56			5:30	420	61.00	1.50
5:30	1140	78.05	18.55			6:30	480	61.00	1.50
6:30	1200	78.00	18.50	400		7:30	540	61.00	1.50
7:30	1260	78.11	18.61			8:30	600	60.95	1.45
8:30	1320	78.75	19.25				1440	60.00	.50
9:30	1380	79.00	19.50	400	NONE				
10:30	1440	79.23	19.73	400	NONE				

JAN 2005
RECEIVED
WELL MGT.

g:\forms\drawdown.wk4

Well No. 5

Appendix VI - City of Montrose

8

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes Chapter 1031

MINNESOTA UNIQUE WELL NO. 700301

WELL LOCATION

County Name: WRIGHT

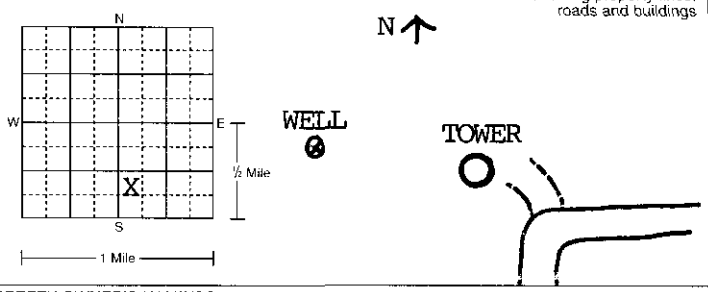
Township Name	Township No.	Range No.	Section No.	Fraction
MARYSVILLE	119	26	35	NW¼ SW¼ SE¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 400 GARFIELD AV MONTROSE 55363

or Fire Number:

Shop exact location of well in section grid with "X".



Sketch map of well location. Showing property lines, roads and buildings

PROPERTY OWNER'S NAME/COMPANY NAME: CITY OF MONTROSE

Property owner's mailing address if different than well location address indicated above.

P.O. BOX 25
MONTROSE, MN 55363

WELL OWNER'S NAME/COMPANY NAME: CITY OF MONTROSE

Well owner's mailing address if different than property owners address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
LOG ATTACHED				

Use a second sheet, if needed

REMARKS, ELEVATION, SOURCE OF DATA, etc.

JAN 2005 RECEIVED WELL MGT

MINN. DEPT OF HEALTH COPY 700301

IC 140-0020

WELL DEPTH (completed): 175 ft. | Date Work Completed: 7/15/04

DRILLING METHOD: [ ] Cable Tool [ ] Driven [ ] Dug [ ] Auger [X] Rotary [ ] Jetted

DRILLING FLUID: BENTONIT/H2O | WELL HYDROFRACTURED? [ ] Yes [ ] No FROM ____ ft. TO ____ ft.

USE: [ ] Domestic [ ] Monitoring [ ] Heating/Cooling [X] Noncommunity PWS [ ] Environ. Bore Hole [ ] Industry/Commercial [X] Community PWS [ ] Irrigation [ ] Remedial [ ] Dewatering [ ] ____

CASING: [X] Steel [ ] Plastic | Drive Shoe? [ ] Yes [X] No | [ ] Threaded [X] Welded

HOLE DIAM.

CASING DIAMETER	WEIGHT	HOLE DIAM.
12 in. to 155 ft.	49.56 lbs./ft.	18 in. to 181 ft.
____ in. to ____ ft.	____ lbs./ft.	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____ in. to ____ ft.

SCREEN: YES | OPEN HOLE FROM ____ ft. TO ____ ft.

Make: JOHNSON
Type: SST | Diam.: 12" PS
Slot/Gauze: 70 SLOT | Length: 20'
Set between 155 ft. and 175 ft. FITTINGS: WR X PLATE

STATIC WATER LEVEL: 57.21 ft [X] below [ ] above land surface Date measured: 12/5/03

PUMPING LEVEL (below land surface): 77.05 ft. after 34 hrs. pumping 400 g.p.m.

WELL HEAD COMPLETION
[X] Pitless adapter manufacturer: MONITOR Model: 9PS1214
[ ] Casing Protection ____ 12 in. above grade
[ ] At-grade (Environmental Wells and Boring ONLY)

GROUTING INFORMATION
Well grouted [X] Yes [ ] No
Grout material [X] Neat cement [ ] Bentonite [ ] Concrete [ ] High Solids Bentonite
from 145 to 10 ft. 4 [X] yds. [ ] bags
from ____ to ____ ft. ____ [ ] yds. [ ] bags
from ____ to ____ ft. ____ [ ] yds. [ ] bags

NEAREST KNOWN SOURCE OF CONTAMINATION: N/A feet ____ direction ____ type

Well disinfected upon completion [X] Yes [ ] No

PUMP
[ ] Not installed Date installed: 7/15/04
Manufacturer's name: GOULDS
Model number: 10RALC-2 HP: 30 Volts: ____
Length of drop pipe: 105 ft. Capacity: ____ g.p.m.
Type [X] Submersible [ ] L.S. Turbine [ ] Reciprocating [ ] Jet [ ] ____

ABANDONED WELLS
Does property have any not in use and not sealed well(s) [ ] Yes [X] No

VARIANCE
Was a variance granted from the MDH for this well? [ ] Yes [X] No TN# ____

WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

L.T.P. ENTERPRISES, INC — 9616
Licensee Business Name — *Lic. or Reg. No.*

Authorized Representative Signature — 8/13/04 *Date*

RYAN MATHEWS — 8/13/04
Name of Driller — *Date*

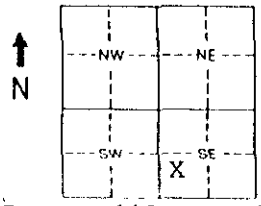
HE-01205-08 (Rev. 5/02)

Well No. 5

70030

LTP Enterprises, Inc. Well Drilling

FARGO, N.D.
HUTCHINSON, MN.



Sec 35 T 119 R 26

DRILLERS LOG

Drilled for CITY OF MONTROSE By HUTCHINSON Office

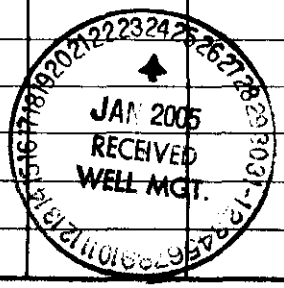
Location of Test Hole WEST WATER TOWER 30'

Test Hole No. Well No. 3

Size of test hole 6¼ Date started Date completed Total Hours

FORMATIONS DRILLED

TYPE OF FORMATION	COLOR OF FORMATION	STARTED AT WHAT DEPTH	ENDED AT WHAT DEPTH	THICKNESS OF FORMATION
TOP SOIL	BLACK	0	1	
CLAY SOME PEBBLES	YELLOW	1	15	
SANDY CLAY WITH PEBBLES	GRAY	15	37	
SANDY CLAY WITH SAND & GRAVEL MIXED	GRAY	37	40	
SANDY CLAY WITH PEBBLES, STICKY	GRAY	40	67	
SANDY CLAY WITH GRAVEL & SAND	GRAY	67	80	
SANDY CLAY WITH PEBBLES	GRAY	80	101	
DIRTY SAND & GRAVEL PEA SIZE	COLORED	101	112	
SAND CLAY WITH STONES & GRAVEL	GRAY	112	116	
ROCKS	GRAY	116	117	
SANDY CLAY WITH SANDY GRAVEL & STONES	GRAY	117	127	
CLAY & PEBBLES	YELLOW	127	151	
SAND LITTLE DIRTY	RED	151	153	
SAND COARSER & GRAVEL	RED	153	175	
CLAY SOME SAND	YELLOW/WHITE	175	181	



Signed DUANE VERDECK Driller

FORM 420

Montrose

1/28/41

to

~~9/24/80~~

3/29/83

3/17/1987

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Report on Investigation of Water Supply
Montrose, Minnesota
January 28, 1941

No indication of water source

This investigation showed that this water supply complied with the water supply standards of this Department except for the following sanitary defects:

1. It was observed during the course of the investigation that there were plumbing fixtures which were designed and installed in such a way that they constitute a hazard to the water supply.

Water supply outlets which can be submerged will permit water to be back-siphoned or drained into the water-piping system. It is known that partial vacuums occur occasionally on water distribution systems when the system is drained and the normal pressure is relieved by breaks in the mains, by fire engine pumps, by opening the system for repairs, etc. When a partial vacuum is produced on the water-piping system, plumbing which is unsatisfactory either from the standpoint of design or installation, or both, may be a means whereby contamination may be drawn into the water distribution system.

It was not possible during this investigation, because of the limited time, to make a complete survey of all the plumbing that is connected to the water system. It is very likely, however, that there are installations of faulty plumbing and cross connections caused by faulty plumbing other than those observed at the time of the investigation.

Analytical Data: (See attached sheet)

Samples No. 66918, 66919 and 66920 represent water collected from the pumphouse and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coli-aerogenes group were not found in 100 ml. portions of the samples examined.

The physical examination of sample No. 66918 showed a water with very low turbidity and no color. The chemical examination showed a very hard water

1st mention of a well

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Report on the Water Supply
Montrose, Minnesota
JUNE 21, 1943

This water supply is obtained from a drilled well located in the central part of town.

The water is pumped directly into the distribution system while the overflow collects in an elevated tank.

The water is subjected to treatment with chlorinated lime before being distributed for public consumption.

Location of Source

The well is located in a pump station on level ground with fair surface drainage away from it. The surface earth formation consists of black loam and clay.

There is no source of contamination on this site near enough to be considered dangerous.

This site is at present considered satisfactory.

Well, Pump and Pumphouse

A The well is drilled to a depth of 693 feet, and is cased with a ten-inch iron pipe to a depth of 526 feet. The rest of the well consists of an open drill-hole, the upper 80 feet of which is ten inches in diameter, the lower part is eight inches in diameter and extends to the bottom of the well. The casing extends 14 inches above the floor of the pump station. No well screen is provided. The normal water level in the well is 78 feet below the ground surface.

A stratigraphic section of this well shows the following formations:

Material	Thickness	Depth
Black dirt and clay	10 feet	10 feet
Sand, surface water	2 feet	12 feet
Blue clay	52 feet	64 feet
Blue clay and sand	30 feet	94 feet
Fine water sand	18 feet	112 feet
Blue clay and gravel	23 feet	135 feet
Yellow hardpan	17 feet	152 feet
Coarse water sand	31 feet	183 feet
White shale	1 foot	184 feet
Red shale	12 feet	196 feet
Light blue shale and soft sand rock mixed	81 feet	277 feet
Red shale	13 feet	290 feet
Light blue shale	35 feet	325 feet
Sand rock water bearing	6 feet	331 feet
Hard red shale	39 feet	370 feet
Red, blue and green shale	7 feet	377 feet
Light blue shale and sand rock	113 feet	490 feet
Soft white sand rock	35 feet	525 feet
Red hard sand rock (water)	95 feet	620 feet
Light red sand rock(water)	73 feet	693 feet

The pump station floor is constructed of concrete which is six inches above the surrounding surface of the ground. The waste water on the floor is removed through a floor drain and is discharged into a gravel pit located 30 feet from the well. The pumproom is provided with a door which swings outward.

Water is drawn from the well by means of a vertical turbine pump which has a rated capacity of 100 gallons per minute. The pump is set on a concrete base 12 inches high, directly over the well casing and the discharge tee is located about 2 feet above the floor of the pumproom. The normal draw down is 35 feet.

Storage

The water is stored in an elevated steel tank of 50,000-gallon capacity. The tank is provided with an overlapping manhole cover.

MINNESOTA DEPARTMENT OF HEALTH
Division of Municipal Water Supply and Plumbing

Report on Water Supply of
Montrose, Minnesota
September 3, 1947

A The water supply for the village of Montrose is obtained from a drilled well.

Data relative to this supply are contained in the reports of previous investigations made by this Division. The last investigation was undertaken on June 21, 1943 at which time the sanitary aspect of the supply was considered not entirely satisfactory.

Analytical Data

Samples Nos. 88021, 88022 and 88023 represent water collected from the well and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in 100 ml. portions of the samples examined.

The physical examination of sample No. 88021 showed a water with very low turbidity and low color. The chemical examination showed a hard water with a high iron content. Iron in excessive amounts may be the cause of tastes and odors in the water and the staining of plumbing fixtures.

Sanitary Defects

1. There are still some old plumbing fixtures which are faulty in design and installation.

Recommendations

1. Efforts should be made to locate all unsafe connections, potential and direct, which have been caused by faulty plumbing design and installation. This is advisable so that the location of danger points may be known, and steps taken to guard against and to avoid these dangers whenever this is possible. On the basis of the information obtained from such a survey, a program should

7488 4-23-47 5M

MINNESOTA DEPARTMENT OF HEALTH
SECTION OF ENVIRONMENTAL SANITATION

Analytical Examination of Water

NO.	TOWN, ETC.	MAP LOCATION	SPECIFIC LOCATION	SOURCE
88021	Montrose	Wright Co.	Pumphouse tap	Well A
88022	"	" "	Montrose Public School Lav. tap	Public supply
88023	"	" "	Pure Oil Station Hose tap	" "

Specimen Number	88021	88022	88023
Station Number			
Collected by	FCL	FCL	FCL
Date Collected	9/3/47	9/3/47	9/3/47
Date Rec'd by Lab.	9/3/47	9/3/47	9/3/47
BACTERIAL: Exam. by	RHP	RHP	RHP
Bacteria per c.c. 37° C. 24 hours			
Coliform group organisms — 100 ml.			
Coliform group organisms — M.P.N. per 100 ml.	0	0	0
PHYSICAL: Exam. by			
Turbidity	5.		
Color	15.		
Total Solids			
Total suspended solids			
Settleable solids c.c. per liter			
CHEMICAL: Exam. by (parts per million except as noted)			
Total hardness	350.		
Alkalinity (Me. O.)	480.		
pH value	7.8		
Iron	.9		
Manganese	.16		
Chlorides	0		
Residual Chlorine			
Sulphates	0		
Fluorides	.08		
Dissolved Oxygen			
Biochemical Oxygen Demand — Five-day			
Nitrate Nitrogen	.15		

MINNESOTA DEPARTMENT OF HEALTH
Division of Municipal Water Supply

Report on Water Supply of
Montrose, Minnesota
June 8, 1948

Creamery well inter-connected w/ city supply. Which creamery?

A The water supply for the village of Montrose is obtained from a drilled well. The water is pumped directly into the distribution system for public consumption while the overflow collects in an elevated steel tank.

I. Date of Last Investigation - September 3, 1947.

B II. Changes Since Last Investigation - The creamery well has been cross-connected with the municipal supply.

III. Analytical Data - Samples Nos. 91643, 91644, 91645 and 91646 represent water collected from the well and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in 100 ml. portions of the samples examined.

IV. Recommendation - Consideration should be given to the adoption and enforcement of the Minnesota Plumbing Code as a local ordinance. (The Code may now be adopted by reference.) This would further safeguard the water supply from contamination resulting from plumbing which may be improperly designed or installed.

V. Conclusion - The field survey showed that this supply complied with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendations should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 93. By carrying out the recommendations made in this report, the rating can be raised to 95.

Approved: O. E. Brownell
O. E. Brownell, Director
Division of Municipal Water Supply

F. C. Labernik
F. C. Labernik
Assistant Public Health Engineer

mab

7689 10-1-47 5M

MINNESOTA DEPARTMENT OF HEALTH
SECTION OF ENVIRONMENTAL SANITATION

Analytical Examination of Water

NO.	TOWN, ETC.	MAP LOCATION	SPECIFIC LOCATION	SOURCE
91643	Montrose	Wright Co.	Pumphouse tap A	Drilled well
91644	"	" "	Pflepsen Res., kitchen tap	Public supply
91645	"	" "	DX Sta., lav. tap	" "
91646	"	" "	Amos Liquor Store, bar tap	" "

Specimen Number	91643	91644	91645	91646
Station Number				
Collected by	FCL	FCL	FCL	FCL
Date Collected	6-8-48	6-8-48	6-8-48	6-8-48
Date Rec'd by Lab.	6-9-48	6-9-48	6-9-48	6-9-48
BACTERIAL: Exam. by	HGO	HGO	HGO	HGO
Bacteria per c.c. 37° C. 24 hours				
Coliform group organisms: 100 ml. M.P.N. per 100 ml.	0	0	0	0
PHYSICAL: Exam. by				
Turbidity				
Color				
Total Solids				
Total suspended solids				
Settleable solids c.c. per liter				
CHEMICAL: Exam. by (parts per million except as noted)				
Total hardness				
Alkalinity				
pH value				
Iron				
Manganese				
Chlorides	2.4			
Residual Chlorine				
Sulphates	5.6			
Fluorides	.1			
Dissolved Oxygen				
Biochemical Oxygen Demand: Five-day				
Nitrate Nitrogen	< .1			

MINNESOTA DEPARTMENT OF HEALTH
Division of Municipal Water Supply

Report on Investigation of Water Supply for
Montrose, Minnesota
March 29, 1949

1. Date of Last Investigation - June 8, 1948

2. Rating at Last Investigation - 93

3. Changes Since Last Investigation - None

4. Analytical Data (see attached sheet) - Samples Nos. 95875, 95876 and 95877 represent water collected from the well and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in 100 ml. portions of the samples examined.

5. Recommendation - Consideration should be given to the adoption and enforcement of the Minnesota Plumbing Code as a local ordinance. (The Code may now be adopted by reference.) This would further safeguard the water supply from contamination resulting from plumbing which may be improperly designed or installed.

6. Conclusion - The field survey showed that this supply complied substantially with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendations should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 92. By carrying out the recommendation made in this report, the rating can be raised to 94.

Approved: O. E. Brownell
O. E. Brownell, Director
Division of Municipal Water Supply

W. R. Lawson
W. R. Lawson
Associate Public Health Engineer

mab

MINNESOTA DEPARTMENT OF HEALTH
Division of Municipal Water Supply

Report on Investigation of Water Supply for
Montrose, Minnesota
January 11, 1950

1. Date of Last Investigation - March 29, 1949.

2. Rating at Last Investigation - 92.

3. Changes Since Last Investigation - None.

4. Analytical Data (see attached sheet) - Samples Nos. 905 and 908 represent water collected from the pumpstation and the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in 100 ml. portions of the samples examined.

Samples Nos. 906 and 907 represent water collected from the distribution system. The bacteriological examination of these samples showed indications of contamination in the water as evidenced by the fact that organisms of the coliform group were found in 100 ml. portions of the samples examined.

5. Recommendations - a) The system should be disinfected by the operation of the chlorinator until all traces of contamination are removed from the system. A residual of 0.5 ppm of chlorine should be maintained at all points on the distribution system.

b) Consideration should be given to the adoption and enforcement of the Minnesota Plumbing Code as a local ordinance. (The Code may now be adopted by reference.) This would further safeguard the water supply from contamination resulting from plumbing which may be improperly designed or installed.

adopted 1948

14 - 7 1949 5M

MINNESOTA DEPARTMENT OF HEALTH
SECTION OF ENVIRONMENTAL SANITATION

Analytical Examination of Water

NO.	TOWN, ETC.	MAP LOCATION	SPECIFIC LOCATION	SOURCE
905	Montrose V., Wright Co.	Van's Garage	Hose tap	Public supply
906	" " " "	Dratz Garage	Kitchen tap	" "
907	" " " "	Pumphouse tap		Drilled well
908	" " " "	Public School	Boy's lav. tap	Public supply

A

	905	906	907	908
Specimen Number				
Station Number				
Collected by	FCL	FCL	FCL	FCL
Date Collected	1/11/50	1/11/50	1/11/50	1/11/50
Date Rec'd by Lab.	1/12/50	1/12/50	1/12/50	1/12/50
BACTERIAL: Exam. by	HGO	HGO	HGO	HGO
Bacteria per c.c. 37° C. 24 hours				
Coliform group organisms — 100 ml. M.P.N. per 100 ml.	0	1.1	1.1	0
PHYSICAL: Exam. by				
Turbidity			1.8	
Color				
Total Solids				
Total suspended solids				
Settleable solids c.c. per liter				
CHEMICAL: Exam. by (parts per million except as noted)				
Total hardness			450.	
Alkalinity			460.	
pH value			7.6	
Iron			.04	
Manganese			.28	
Chlorides			0.	
Residual Chlorine				
Sulphates			29.	
Fluorides			.32	
Dissolved Oxygen				
Biochemical Oxygen Demand — Five-day				
Nitrate Nitrogen			.43	

MINNESOTA DEPARTMENT OF HEALTH
District No. 6

Report on Investigation of Water Supply of
Montrose, Minnesota
October 30, 1951

1. Date of Last Investigation - January 11, 1950.

2. Rating at Last Investigation - 89.

3. Changes Since Last Investigation -

The Minnesota Plumbing Code has been adopted.

4. Analytical Data - (See attached sheet)

Samples Nos. 517, 518, 519 and 520 represent water collected from the well and from various points on the distribution system. The bacteriological examination of these samples showed indications of contamination in the water as evidenced by the fact that organisms of the coliform group were found in the portions of the samples examined.

5. Recommendations -

a. The system should be disinfected by the operation of the chlorinator until all traces of contamination are removed from the system. A residual of 0.5 ppm of chlorine should be maintained at all points on the distribution system.

b. The Minnesota Plumbing Code should be enforced.

6. Conclusion - The field survey showed that this supply did not entirely comply with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendations should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 89. By carrying out the recommendations made in this report, the rating can be raised to 95.

D.L. Baer
Associate Public Health Engineer

Approved: John T. Smiley, M.D.
John T. Smiley, M.D.
Director
Health District No. 6

8-5-52

MINNESOTA DEPARTMENT OF HEALTH
District No. 6

Report on Investigation of Water Supply of
Montrose, Minnesota
June 18, 1952

1. Date of Last Investigation - October 30, 1951.

2. Rating at Last Investigation - 89.

3. Changes Since Last Investigation - None.

4. Analytical Data - (See attached sheet)

Samples Nos. 4241, 4242, 4243 and 4244 represent water collected from the well and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in the portions of the samples examined.

5. Recommendations -

a. The installation of all new plumbing should be made in accordance with the provisions of the State Plumbing Code, and all existing plumbing which is not properly designed or installed or both, should be changed to conform with the State Plumbing Code as soon as the opportunity to do so presents itself.

6. Conclusion - The field survey showed that this supply complied substantially with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendation should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 92. By carrying out the recommendations made in this report, the rating can be raised to 95.

Percy T. Watson

Approved:
Percy T. Watson, M.D.
Director
Health District No. 6

D.L. Baer
Public Health Engineer

4-10-53

MINNESOTA DEPARTMENT OF HEALTH
District No. 6

Report on Investigation of Water Supply of
Montrose, Wright County, Minnesota
February 17, 1953

1. Date of Last Investigation - June 18, 1952.

2. Rating at Last Investigation - 92.

3. Changes Since Last Investigation - None.

4. Analytical Data - (See attached sheet)

Samples Nos. 8333 through 8338 inclusive, represent water collected from the well and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in the portions of the samples examined.

5. Recommendation -

a. The installation of all new plumbing should be made in accordance with the provisions of the State Plumbing Code and all existing plumbing which is not properly designed or installed or both, should be changed to conform with the State Plumbing Code as soon as the opportunity to do so presents itself.

6. Conslusion - The field survey showed that this supply complied substantially with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendation should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 92. By carrying out the recommendations made in this report, the rating can be raised to 95.

D.L. Baer
Public Health Engineer

Approved: John T. Smiley
John T. Smiley, M.D.
Director
Health District No. 6

12-27-54

MINNESOTA DEPARTMENT OF HEALTH
Health District VI
Report on Investigation of Water Supply of
Montrose, Wright County, Minnesota
September 15, 1954

1. Date of Last Investigation - February 17, 1953.

2. Rating at Last Investigation - 92.

3. Changes Since Last Investigation - None.

4. Analytical Data (see attached sheet) -

Samples Nos. 7323 through 7325, inclusive, represent water obtained from the well and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in the portions of the samples examined.

5. Recommendation -

The installation of all new plumbing should be made in accordance with the provisions of the State Plumbing Code and all existing plumbing which is not properly designed or installed, or both, should be changed to conform with the State Plumbing Code as soon as the opportunity to do so presents itself.

6. Conclusion - The field survey showed that this supply complied substantially with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendation should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 92. By carrying out the recommendation made in this report, the rating can be raised to 95.

Warren R. Lawson
Public Health Engineer

Approved:
O. E. Brownell, Chief
Municipal Water Supply Section

4-31-57

MINNESOTA DEPARTMENT OF HEALTH
Health District VI

Report on Investigation of Water Supply of
Montrose, Wright County, Minnesota
September 13, 1955

1. Date of Last Investigation - September 15, 1954

2. Rating at Last Investigation - 92.

3. Changes Since Last Investigation - None.

4. Analytical Data (see attached sheet)

Samples Nos. 2925-2927 inclusive represent water obtained from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of a good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in the portions of the samples examined.

5. Recommendation -

The installation of all new plumbing should be made in accordance with the provisions of the State Plumbing Code and all existing plumbing which is not properly designed or installed, or both, should be changed to conform with the State Plumbing Code as soon as the opportunity to do so presents itself.

6. Conclusion - The field survey showed that this supply complied substantially with the standards for safe water supplies of the State Department of Health on this date. The foregoing recommendation should be carried out in order that this supply may be safeguarded against contamination. Computed on the basis of 100 points for complete compliance with standards of the Minnesota Department of Health, the present status of this supply is estimated to be 92. By carrying out the recommendation made in this report, the rating can be raised to 95.

Warren R. Lawson
Public Health Engineer

Approved:

E. A. Huset, Chief
Municipal Water Supply Section

3-19-58

MINNESOTA DEPARTMENT OF HEALTH
District VI

Report on Investigation of Water Supply
Montrose, Minnesota
December 13, 1957

Inter-connection between Farmer's Cooperative Creamery well and city water supply. Different creamery/well than 1948 reference?? "A cross-conn. has been constructed...". Sounds like a new connection. Prior mention of cross-connection could be to "Montrose Creamery".

Date of last investigation - September 13, 1955

Rating at last investigation - 92

Changes since last investigation -

A cross-connection has been constructed between the municipal water supply and the supply of the Farmer's Cooperative Creamery Association. The construction of the creamery supply is not entirely satisfactory.

Analytical data - (see attached sheet)

Samples Nos. 4414 through 4417, inclusive, represent water obtained from the well and from three points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in the portions of the samples examined.

Recommendations -

1. The cross-connection between a municipal supply and the creamery should be broken by removing a section of pipe between the two supplies until such time as the creamery well has been reconstructed to meet the standards of this Department and the water found satisfactory as evidenced by contamination-free samples.

2. A program of plumbing permits and inspections should be instituted to ensure that the installation of all new plumbing be made in accordance with the provisions of the State Plumbing Code. All existing plumbing which is not properly designed or installed, or both, should be changed to conform to the State Plumbing Code as soon as the opportunity to do so presents itself.

Conclusion -

The field survey showed that this water supply complied substantially with the standards of this Department. Computed on the basis of 100 points for complete compliance with the water supply standards of this Department, the present status of this supply is estimated to be 89. As indicated, the rating may be raised to 95

12-28-61

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Water Supply
Montrose, Minnesota
November 2, 1961

Date of last investigation - December 13, 1957

Rating at last investigation - 89

Changes since last investigation -

Inter-connection w/ Farmer's Coop Creamery broken.

1. The cross connection between the municipal water supply and the supply of the Farmer's Cooperative Creamery Association has been broken.

2. A program of permits and inspection has been instituted to insure that installation of all new plumbing is made in accordance with the provisions of the Minnesota Plumbing Code.

3. Approximately ten service connections have been added to the system.

Analytical data - (see attached sheet)

Samples Nos. 7137-7139, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of satisfactory sanitary quality as evidenced by the fact that organisms of the coliform group were not found in the samples examined.

The chemical examination of the sample collected from the well showed the water to be very hard, moderately high in fluorides, low in manganese, and very low in chlorides, sulphates and iron. The pH of the water, when considered together with the alkalinity and calcium content, indicates that the water is fairly stable.

Treatment -

When polyphosphates are added to the water supply for the control of iron and manganese, it is important that adequate chlorination of the water be accomplished to prevent possible enhanced growth of mineral bacteria due to the nutrients provided in the polyphosphate. Sufficient chlorine should be added to maintain a chlorine residual of 0.5 of a part per million in the distribution system.

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MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL SANITATION

ANALYTICAL DATA

Samples Collected By L. Hutchison

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a 1	Montrose, Wright County	Pumphouse - Well No. 1 - Pump Discharge A
b 2		Lumber Yard - L.T. - Dist. System
c 3		School - L.T. - Dist. System
d		
e		
f		

Sample Number	a 7137	b 7138	c 7139	d	e	f
Date Collected 11-2-61						
Time Collected 11:00 a.m.						
Temperature °F						
Date Received by Lab.						
BACTERIAL: Exam. by						
Bacteria per ml. 35° C. 24 hours						
Coliform group organisms: 100 ml. M.F.	0	0	0			
Coliform group organisms: M.P.N. per 100 ml.						
*PHYSICAL & CHEMICAL: Exam. by						
Settleable solids ml. per liter						
Total Solids						
Total Volatile Matter						
Suspended Solids						
Suspended Volatile Matter						
Turbidity						
Color						
Total hardness as $CaCO_3$	440					
Alkalinity as $CaCO_3$	460					
pH value	7.4					
Iron	.15					
Manganese	.18					
Chlorides	2.2					
Residual Chlorine						
Sulphates	0					
Fluorides	.51					
Dissolved Oxygen						
Biochemical Oxygen Demand five-day						
Phosphorus						
Ammonia Nitrogen						
Organic Nitrogen						
Nitrite Nitrogen						
Nitrate Nitrogen	< 1					
~~Surfactant~~	~~not found~~					
~~Calcium~~	~~Nil~~					
~~pH of Stability~~	~~7.4~~					
~~M.F. Membrane Filter~~						
~~< Less than~~						

* Results are in milligrams per liter except as noted.

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota
June 30, 1964

Date of last investigation - November 2, 1961

Rating at last investigation - 90

Changes since last investigation -

Treatment of the water with polyphosphates has been discontinued and the water is now being chlorinated by means of a hypo-chlorinator which injects chlorine solution into the pump discharge pipe.

Analytical data - (see attached sheet)

Samples Nos. 3513 and 1292-1294, inclusive, represent water collected from the well and from three points on the distribution system. The bacteriological examination of these samples showed the water to be of satisfactory sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be very low in nitrate nitrogen. Surfactant (detergent) was not found.

Tests made during the course of the investigation showed that some chlorine residual was being maintained.

Recommendations

1. Consideration should be given to the provision of an auxiliary source of supply which would also serve as a standby source for emergencies and in the event the first well should be shut down for repairs.

2. Arrangements should be made for the routine collection and bacteriological examination of samples from the well and distribution system on at least a monthly basis and a permanent record of these results maintained.

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota
November 19, 1970

Date of Last Investigation - June 30, 1964

Rating at Last Investigation - 91

Changes Since Last Investigation -

1. Fluoride (Acid) is now being injected into the pump discharge pipe.

2. The chlorinator was out of order at the time of the investigation.

Analytical Data - (see attached sheet)

Samples Nos. 5865 and 4416-4418, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of satisfactory sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the samples collected from the well showed the water to be very hard and moderately low in iron, low in manganese and very low in chlorides and sulphates. The nitrate nitrogen concentration was found to be less than one milligram per liter. Surfactant a constituent of household detergents, was not present in a determinable amount. The fluoride content was found to be 1.4 milligrams per liter which is within the range of 0.9 to 1.5 milligrams per liter recommended for the control of dental caries (tooth decay). The pH of the water considered together with the alkalinity and calcium content, indicates that the water has a scale forming tendency.

Recommendations -

1. Consideration should be given to the provision of an auxiliary source of supply which would also serve as a standby source for emergencies and in

WS

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Dave Fridgen Report To District #1

Field Number	Town, County, Etc.	Sampling Point and Source of Sample			
a	Montrose. Wright County	Well #1	P.D.	M.W.S.	A
b	"	Well #1	P.D.	M.W.S.	A
c	"	Well #1	P.D.	M.W.S.	A
d	"	Lumber Yard	S.T.	M.W.S.	
e	"	Sr. Station	S.T.	M.W.S.	
f					

This line for Lab. use only. Sample Number	a 5865	b 3559	c 4416	d 4417	e 4418	f
Date Collected	10/21/68	8/12/69	11/19/70	- - - - -	- - - - -	
Time Collected						
Temperature °F						
Date Received by Lab.	10/21/68	8/13/69	11/19/70	- - - - -	- - - - -	
Coliform group organisms — M.P.N. per 100 ml.			<2.2	<2.2	<2.2	
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids	530					
Turbidity						
Color						
Total hardness as $CaCO_3$	420					
Alkalinity as $CaCO_3$	440					
pH value	7.6					
Iron	.12	0.64	0.54			
Manganese	.17	0.18	0.20			
Chloride	<1					
Residual Chlorine						
Sulphate	39					
Fluoride	0.26			1.4	1.4	
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	<1	<1	<1			
Methylene Blue Active Sub. as ABS	<.1	<.1	.1			
Calcium as $CaCO_3$	250					
Sodium	19					
Potassium						
Spec. Cond. mhos/cm @ 25 °C.						
@ 50 °F	7.2					

< : less than

Results are in milligrams per liter except as noted.

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota
October 17, 1972

This water supply is obtained from one drilled well. The water is pumped directly to the distribution system and the elevated tank receives the overflow and maintains pressure on the distribution system.

Location of Source -

Well No. 1 and the elevated tank are located on village owned property.

Well, Pump, and Pumphouse -

A The well is drilled to a depth of 693 feet, and is cased with a 10-inch iron pipe to a depth of 526 feet. The rest of the well consists of an open drill hole, the upper 80 feet of which is 10 inches in diameter, the lower part is 8 inches in diameter and extends to the bottom of the well. The normal water level in the well is 78 feet below the ground surface. The log of the well is as follows:

Lithology	Thickness (Ft.)	Depth (Ft.)
Black dirt and clay	10	10
Sand, surface water	2	12
Blue clay	52	64
Blue clay and sand	30	94
Fine water sand	18	112
Blue clay and gravel	23	135
Yellow hardpan	17	152
Coarse water sand	31	183
White shale	1	184
Red shale	12	196
Light blue shale and soft sand rock mixed	81	277
Red shale	13	290
Light blue shale	35	325
Sand rock water bearing	6	331
Hard red shale	39	370
Red, blue and green shale	7	377
Light blue shale and sand rock	113	490
Soft white sand rock	35	525
Red hard sand rock (water)	95	620
Light red sand rock (water)	73	693

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By: Dave Fridren — Report to: District VI

Field Number	Location, Etc.	Source, Point and Depth of Well			
a	Montrose, Wright County	Well #1	P.D.	M.W.S.	A
b	"	Store	S.T.	M.W.S.	
c	"	School	S.T.	M.W.S.	
d					
e					
f					

This line for Lab. use only. Sample Number	a 7405	b 7406	c 7407	d	e	f
Date Collected	10/17/72	- - - - -	- - - - -			
Time Collected						
Temperature °F						
Date Received by Lab.	10/17/72	- - - - -	- - - - -			
Coliform group organisms — M.P.N. per 100 ml.	< 2.2	< 2.2	< 2.2			
Coliform group organisms — Con. Cl. Test						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron	0.11					
Manganese	0.05					
Chloride						
Residual Chlorin		0	0			
Sulphate						
Fluoride		0.9	0.9			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	< 1					
Methylene Blue Active Substance	< .1					
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. micromhos @ 25 °C						
is @ 50 °F						

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota

1. Name of Water Supply System	2. Plant Classification
Montrose Municipal	C

3. Telephone Number
Clerk (office) 675-3281 Water Supt. (office) _____
Clerk (home) 675-3285 Water Supt. (home) _____

4. Location (city, county)	5. Person Contacted		
Montrose, Wright County	Charles Nelson		
6. Water Superintendent and Classification	7. Population	8. Date of Survey	
Roy Kreitlow D	450	10/18/73	
9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
10/17/72	450	137	Municipal
13. Source	14. Plumbing Code		
Ground	☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted		

15. Storage (list separately, indicating capacity of each)
50,000 - Elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
75,000	50,000

18. Treatment Used

- ☒ Disinfection - Sodium Hypochlorite
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation - Acid
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*

a) Well Number	1
b) Year Installed	1940
c) Casing Diameter	10
d) Casing Depth	526
e) Well Depth	693
f) Screen Length	
g) Static Level	78
h) Drawdown	
i) Pump (type & cap.)	VT 105

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Dave Fridgen Report To Metropolitan District

Field Number	Town, County, Etc.	Sampling Point and Source of Sample		
a	Montrose, Wright County	Well #1	P.D.	M.W.S. A
b	"	Lumber Yard	S.T.	"
c	"	Mobile Home Park	"	"
d				
e				
f				

This line for Lab. use only.	a	b	c	d	e	f
Sample Number	1838	1839	1840			
Date Collected	10/18/73	- - - - -	- - - - -			
Time Collected						
Temperature °F						
Date Received by Lab.	10/19/73	- - - - -	- - - - -			
Coliform group organisms — M.P.N. per 100 ml.	<2.2	<2.2	<2.2			
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron	0.07					
Manganese	0.23					
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		0.90	0.6 (Low on both samples)			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	<1					
Methylene Blue Active Sub. as ABS	< .1					
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
's @ 50 °F						

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota

1. Name of Water Supply System	2. Plant Classification
Montrose Municipal Water Supply	D

3. Telephone Number
Clerk (office) 675-3281 Water Supt. (office) _____
Clerk (home) 675-3285 Water Supt. (home) _____

4. Location (city, county)	5. Person Contacted
Montrose, Wright County	Charles Nelson

6. Water Superintendent and Classification	7. Population	8. Date of Survey
Roy Kreitlow D	450	2/12/75

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
10/18/73	450	137	Municipal

13. Source: Ground

14. Plumbing Code
☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)
50,000 - elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
75,000	50,000

18. Treatment Used
- ☒ Disinfection - sodium hypochlorite
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation - hydrofluosilicic acid
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*

a) Well Number	1
b) Year Installed	1940
c) Casing Diameter	10
d) Casing Depth	526
e) Well Depth	693
f) Screen Length	
g) Static Level	78
h) Drawdown	
i) Pump (type & cap.)	V.T. 105

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Ken Madison Report To Metropolitan District

Field Number	Town, County, Etc.	Sampling Point and Source of Sample		
a	Montrose, Wright County	Well A	P.D.	M.W.S.
b	Montrose, Wright County	Lumber yard	S.T.	M.W.S.
c	Montrose, Wright County	R. Kreitlow Residence	S.T.	M.W.S.
d				
e				
f				

This line for Lab. use only. Sample Number	a 2127	b 2128	c 2129	d	e	f
Date Collected	2-12-75	2-12-75	2-12-75			
Time Collected						
Temperature °F						
Date Received by Lab.	2-13-75	2-13-75	2-13-75			
Coliform group organisms — M. P. N. per 100 ml.	<2.2	<2.2	<2.2			
Con. ☐ Comp. ☐						
M. F. C. per 100 ml.						
tal Solids	500					
urbidity						
Color						
Total hardness as $CaCO_3$	390					
Alkalinity as $CaCO_3$	410					
pH value	7.6	7.6	7.5			
Iron ug/l	<10					
Manganese ug/l	1100					
Chloride	1.5					
Residual Chlorine (Tested in Field)		0.7	1.0			
Sulphate	29					
Fluoride	0.25	1.2	1.2			
Total Phosphorus	0.05					
Nitrite Nitrogen	0.01					
Nitrate Nitrogen	<1					
Methylene Blue Active Sub. as ABS	<.1					
Calcium as $CaCO_3$	250					
Sodium	26					
Potassium	5.9					
Spec. Cond. µmhos/cm @ 25 °C.	720					
pHs @ 50 °F						
Phenols ug/l	0.007					
Metals ug/l — Cu	<10					
Cd	<10					
Ni	<10					
Zn	28					
Pb	<10					

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Central
St. Cloud, Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota

1. Name of Water Supply System	2. Plant Classification
Montrose Municipal Water Supply	D

3. Telephone Number
Clerk (office) 675-3281 Water Supt. (office)
Clerk (home) 675-3285 Water Supt. (home)

4. Location (city, county)	5. Person Contacted	
Montrose, Wright County	Roy Kreitlow	
6. Water Superintendent and Classification	7. Population	8. Date of Survey
Roy Kreitlow D	450	8/3/76

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
2/12/75	450	137	Municipal

13. Source: Ground

14. Plumbing Code: [ ] Adopted [X] Adopted with permits and inspections [ ] Not adopted

15. Storage (list separately, indicating capacity of each)
50,000 - elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
75,000	50,000

18. Treatment Used
- [X] Disinfection - sodium hypochlorite
- [ ] Aeration
- [ ] Filtration
- [ ] Coagulation
- [ ] Taste and Odor
- [ ] Recarbonation
- [ ] Ammoniation
- [ ] Softening
- [ ] Sedimentation
- [X] Fluoridation - hydrofluosilicic acid
- [ ] Corrosion Control and Stabilization
- [ ] Other (describe)

19. Well Data*

	A	B
a) Well Number	1*	2
b) Year Installed	1940	1975
c) Casing Diameter	10	12"
d) Casing Depth	526	152'
e) Well Depth	693	184'
f) Screen Length		32'
g) Static Level	78	70'
h) Drawdown		28 gal / ft.
i) Pump (type & cap.)	V.T. 105	Sub. 250

*Report well logs on separate sheet, if available.
*Standby only

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

s Collected By [illegible] Report To [illegible]

ld er	Town, County, Etc.	Sampling Point and Source of Sample
a		
73	Montrose, Wright County	[illegible]
b		
74	Montrose, Wright County	[illegible]
c		
6988	Montrose, Wright County	Treatment discharge tap, well #2 B
d		
e		
f		

This line for Lab. use only. Sample Number	a 73	b 74	c 6988	d	e	f
Date Collected	8/3/76					
Time Collected						
Temperature °F						
Date Received by Lab.			8/11/76			
Coliform Group Organisms M.P.N. per 100 ml. Con. ☐ Comp. ☐						
M.F.C. per 100 ml.	0	0	0			
Magnesium as $CaCO_3$			180			
Total Solids			516			
Turbidity			[illegible]			
Color			10.0			
Total hardness as $CaCO_3$			630			
Alkalinity as $CaCO_3$			[illegible]			
pH Value			7.6			
[illegible] µg/l			[illegible]			
Manganese µg/l			730			
Fluoride			0.67			
Residual Chlorine	.7		[illegible]			
Nitrate			[illegible]			
Nitrite			1.0			
Total Phosphorus			0.117			
Free Nitrogen						
Total Nitrogen			[illegible]			
Methylene Blue Active Sub. as ABS						
Total as $CaCO_3$			[illegible]			
[illegible]			[illegible]			
Sodium			[illegible]			
Cond. µmhos/cm @ 25 °C			[illegible]			
Temp °F						
[illegible] (ug/l)			[illegible]			
[illegible] "			[illegible]			
[illegible] "			[illegible]			
[illegible] "			[illegible]			
[illegible] "			[illegible]			

in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Central
St. Cloud, Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota

1. Name of Water Supply System	2. Plant Classification
Montrose Municipal Water Supply	D

3. Telephone Number
Clerk (office) 675-3281 Water Supt. (office)
Clerk (home) 675-3285 Water Supt. (home) 675-3244

4. Location (city, county)	5. Person Contacted	
Montrose, Wright County	Roy Kreitlow	
6. Water Superintendent and Classification	7. Population	8. Date of Survey
Roy Kreitlow, D	450	April 20, 1978

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
August 3, 1976	450	137 (Lead-0)	Municipal

13. Source: Ground

14. Plumbing Code: ☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

50,000 - elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
75,000	50,000

18. Treatment Used

- ☒ Disinfection gas
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation Hydrofluosilicic acid
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

19. Well Data*

	A	B
a) Well Number	1**	2
b) Year Installed	1940	1975
c) Casing Diameter	10	12"
d) Casing Depth	526	152'
e) Well Depth	693	184
f) Screen Length		32'
g) Static Level	78	70'
h) Drawdown		28 gal/ft.
i) Pump (type & cap.)	V.t. 60	sub. 250

*Report well logs on separate sheet, if available.

**Standby only

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David Engstrom Report To Metropolitan District

Field Number	Town, County, Etc	Sample Point and Source of Sample
a	Montrose, Wright County	Well #2, P.D. B
b		Kreitlow Res., S.T.
c		Well #1, P.D.
d		Lumber Co., S.T.
e		School, S.T.
f		

This line for Lab use only. Sample Number	a 11469	b 11470	c	d	e	f
Date Collected	4/20/78					
Time Collected	10AM					
Temperature °F						
Date Received by Lab.	4/20/78	4/20/78				
Coliform group organisms — M. P. N. per 100 ml.						
Coliform group organisms — Con. Comp.						
Coliform group organisms — M. F. C. per 100 ml. *	0	0	0	0	0	
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron						
Manganese						
Chloride						
Residual Chlorine Free(Field)				1.2		
Sulphate						
Fluoride		1.1				
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen $+NO_2$-N		< .4				
Methylene Blue Active Sub. as ABS						
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25°C.						
pHs @ 50 °C.						
Arsenic ug/l		< 50				
Barium ug/l		<1000				
Chromium ug/l		< 50				
Cadmium ug/l		< 10				
Lead ug/l		< 50				
Mercury ug/l		< 0.1				
Selenium ug/l		< 10				
Silver ug/l		< 50				
Phenol ug/l	< 2.0					

* Results are in milligrams per liter except as noted.

*Free Field

MINNESOTA DEPARTMENT OF HEALTH
District Central
St. Cloud, Minnesota

Report on Investigation of Municipal Water Supply
Montrose, Minnesota

1. Name of Water Supply System	2. Plant Classification
Montrose Municipal Water Supply	D

3. Telephone Number

Clerk (office) 675-3281 Water Supt. (office) _____

Clerk (home) 675-3285 Water Supt. (home) 675-3244

4. Location (city, county)	5. Person Contacted		
Montrose, Wright County	Roy Kreitlow		
6. Water Superintendent and Classification	7. Population	8. Date of Survey	
Roy Kreitlow, D.	500	June 12, 1979	
9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
April 20, 1978	500	141 (lead--0)	Municipal

13. Source: Ground

14. Plumbing Code: [ ] Adopted [x] Adopted with permits and inspections [ ] Not adopted

15. Storage (list separately, indicating capacity of each)

50,000 - elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
80,000	62,000

18. Treatment Used

- [x] Disinfection - gas
- [ ] Aeration
- [ ] Filtration
- [ ] Coagulation
- [ ] Taste and Odor
- [ ] Recarbonation
- [ ] Ammoniation
- [ ] Softening
- [ ] Sedimentation
- [x] Fluoridation - hydrofluosilicic acid
- [ ] Corrosion Control and Stabilization
- [ ] Other (describe)

19. Well Data*

	A	B	C
a) Well Number	1**	2	3
b) Year Installed	1940	1975	1978
c) Casing Diameter	10	12"	12
d) Casing Depth	526	152'	158
e) Well Depth	693	184	186
f) Screen Length		32'	25
g) Static Level	78	70'	68
h) Drawdown		28	40
i) Pump (type & cap.)	VT60	Sub250	Sub220

*Report well logs on separate sheet, if available.

**USGS is monitoring.

BUDGET NO: _____

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Dave Engstrom Report To Metropolitan District

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Montrose, Wright County	Kreitlow Residence, S.T.
b	Montrose, Wright County	Lumber Yard, S.T.
c	Montrose, Wright County	Well #2, P.D.
d	Montrose, Wright County	Well #3, P.D.
e	Montrose, Wright County	Well #3, P.D. C
f		

This line for Lab. use only.		a	b	c	d	e	f
Sample Number		2526					
Date Collected		6/12/79	6/12/79	6/12/79	6/12/79	6/18/79	
Time Collected		9:00 a.m.	9:00 a.m.	9:00 a.m.	9:00 a.m.	2:00 p.m.	
Temperature °F							
Date Received by Lab.		6/12/79	6/12/79	6/12/79	6/12/79	6/19/79	
Coliform group organisms	M.P.N. per 100 ml. 301						
	Con. ☐ Comp. ☐						
	M.F.C. per 100 ml. 308 *	0	0	0	0		
*FIELD TEST							
Total Solids	001						
Turbidity	011						
Color	012						
Total hardness as $CaCO_3$	021					430	
Alkalinity as $CaCO_3$	022					430	
pH value	013					7.8	
Iron	032					4.0	
Manganese	033					1.0	
Chloride	023					0.7	
Residual Chlorine Free (Field)		1.0	1.0				
Sulphate	028					24	
Fluoride	029	1.4				0.31	
Total Phosphorus	059						
Nitrite Nitrogen	067						
Nitrate Nitrogen+Nitrite	066					<0.4	
MBAS	035						
Calcium as $CaCO_3$	025					260	
Sodium	026	24				24	
Potassium	027					5.4	
Spec. Cond. µmhos/cm @ 25 °C.	014					780	
pHs @ 50 °F						7.1	
Formaldehyde	055						
Magnesium as $CaCO_3$						170	
Arsenic						<50	
Barium						<1000	
Chromium						<50	
Cadmium						<10	
Lead						<50	
Mercury						0.15	
Selenium						<10	
Silver						<50	

* Results are in milligrams per liter except as noted.

MONTROSE MUNICIPAL WELL LOGS

B Well #2

Formation	Depth (ft)
Yellow Clay	0-4
Black Dirt	4-7
Blue and Yellow Clay	7-11
Yellow Clay	11-14
Blue Clay	14-35
Blue Clay and Sand	35-50
Blue Clay and Gravel	50-65
Blue Clay and Sand	65-85
Blue Clay	85-95
Blue Clay and Sand	95-115
Gravel and Clay	115-125
Brown Sand	125-135
Coarse Gravel and Clay	135-150
Brown Sand and Clay	150-158
Yellow Sand	158-184
Hard Ledge	184-185

C Well #3

Yellow Clay	0-32
Gray Clay and Gravel	32-112
Dark Sand and Gravel	112-127
Gray Sand and Clay	127-148
Yellow Clay	148-153
Gray Clay	153-164
Brown Gravel	164-186

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: MONTROSE MUNICIPAL WATER SUPPLY	PWS ID Number: 1860016
Street:	Telephone Numbers: City: 675-3281; Operator: 675-3244; Engineer: ; Other: Clerk-675-3285
City: MONTROSE; State: MN; Zip Code: 55363	
County: WRIGHT; District: METRO	
Water Superintendent: ROY KREITLOW; Classification: D	Plant Classification: D; Owner Type: MUNICIPAL
Other Operators; Classification:	Plant Type: COMMUNITY; Plumbing Permits and Inspections Required: [X] Yes [ ] No
	Date of Previous Survey: 6/12/79; Date of Survey: 9/24/80
City Engineer: MC COMB-KNUTSON	

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served	Service Connections	Storage Capacity: (List Separately)
500	141	50,000 - Elevated
Design Capacity (gal/day): 760,000	Average Daily Production (gal/day): 62,000	
Emergency Capacity (gal/day):	Highest Daily Production (gal/day): 80,000	Total: 50,000 gallons

			TREATMENT											WELL DATA								
Source Name	Source Code	Availability	Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well #1	G	P	Dc				A					Va		1940	10"	526		693'	Mt. Simon	78		Vt 60
Well #2	G	P	Dc				B					Va		1975	12"	152	32'	184'	Drift	70	28	Sub 250
Well #3	G	P	Dc				C					Va		1978	12"	158	25'	186'	Drift	68	40	Sub 220

Remarks: Well #1 USGS is monitoring

Surveyed by: David J. Goff

Approved by: David B. Engstrom

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

BUDGET NO: MDH 210 COM

ANALYTICAL DATA

Samples Collected By DAVID J. GOFF Report To DAVID J. GOFF

Field Number	Town, County, etc.	Sampling Point and Source of Sample
	MONTROSE	WELL HOUSE #1 WELL, TAP A

This line for Lab use ONLY			
Sample Number			14026
Date Collected			
Time Collected			
Temperature °F			
Date Received by Lab			9/24/80
Fluoride		029	
Nitrate+Nitrite Nitrogen		066	
Sodium		026	24.72
Magnesium as $CaCO_3$		024	
Arsenic µg/l	** 110		<5.000
Barium µg/l	117		<200.0
Chromium µg/l	131		<5.000
Cadmium µg/l	124		<1.000
Lead µg/l	160		<10.000
Mercury µg/l		200	<0.100
Selenium µg/l	180		<5.000
Silver µg/l	187		<5.000
Zinc µg/l		194	
Copper µg/l		145	
Nickel µg/l		173	
Total Organic Carbon		098	
Ammonia Nitrogen		064	
Organic Nitrogen		065	
Phenol µg/l		087	
Oil & Grease		089	
Endrin µg/l			
Lindane µg/l			
thoxychlor			
oxaphene µg/l			
2,4-D µg/l			
2,4,5-TP (Silvex) µg/l			
Safe Drink. Water (all 6)		426	
Pest.Drink. Water (4)		421	
Herb.Drink. Water (2)		425	

* Results are in milligrams per liter except as noted.
** Metals to Maximum Contaminant Levels Unless Noted.

(6/1/79)

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Montrose Municipal Water Supply
PWS ID Number: 1860016
Street:
Telephone Numbers: City: 675-3281; Operator: 675-3244; Engineer:; Other: Clerk-675-3285
City: Montrose
State: MN
Zip Code: 55363
County: Wright
District: Metropolitan
Water Superintendent: Roy Kreitlow
Classification: D
Other Operators: Charles Nelson
Classification: N.C.
Plant Classification: D
Plant Type: Community
Owner Type: Municipal
Plumbing Permits and Inspections Required: [X] Yes [ ] No
Date of Previous Survey: September 24, 1980
Date of Survey: December 30, 1981
City Engineer: McComb-Knutson

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 650
Service Connections: 141
Storage Capacity: (List Separately) 50,000 - Elevated
Design Capacity (gal/day): 760,000
Average Daily Production (gal/day): 62,000
Emergency Capacity (gal/day):
Highest Daily Production (gal/day): 113,000
Total 50,000 gallons

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well #1	G	P	Dc		A							Va		1940	10"	526'		693'	Mt. Simon	78		
Well #2	G	P	Dc			B						Va		1975	12"	152'	32'	184'	Drift	67	3	Sub 250
Well #3	G	P	Dc		C							Va		1978	12"	158'	25'	186'	Drift	66	4	Sub 220

Remarks: Well #1-USGS is monitoring

Surveyed by: David B. Engstrom, P.E.
Approved by: Richard Clark, Supervisor

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David Engstrom Report To Metro

Field Number	Town, County, Etc	Sampling Point and Source of Sample
a	Montrose, Wright	Well #2, P.D.
b		Well #3, P.D. C
c		School, S.T.
d		Lumber Yard, S.T.
e		Kreitlow Res., S.T.
f		

This line for Lab. use only. Sample Number	a 18339	b 18340	c 18341	d 18342	e 18343	f
Date Collected 12-30-81						
Time Collected 10:00 am						
Temperature °F	12-31-81					
Date Received by Lab.						
Coliform group organisms — M. P. N. per 100 ml.	<2.2	<2.2	<2.2	<2.2	<2.2	
Coliform group organisms — Con. X Comp.						
Coliform group organisms — M. F. C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value (Field)			7.6	7.5	7.6	
Iron						
Manganese						
Chloride						
Residual Chlorine Free/Total (Field)			0.0/0.1	1.5/3.0	0.0/3.0	
Sulphate						
Fluoride			1.50			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen						
Methylene Blue Active Sub. as ABS						
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25°C.						
@ 50 °C.						
Phenol		2.0				

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Montrose Municipal Water Supply	PWS ID Number: 1860016
Street:	Telephone Numbers: City: 675-3717; Operator: 675-3244; Engineer: ; Other: Clerk: 675-3285
City: Montrose	State: MN; Zip Code: 55363
County: Wright	District: Metropolitan
Water Superintendent: Roy Kreitlow	Classification: D
Other Operators: Charles Nelson	Classification: N.C.
Plant Classification: D	Owner Type: Municipal
Plant Type: Community	Plumbing Permits and Inspections Required: [X] Yes [ ] No
Date of Previous Survey: 12/30/81	Date of Survey: 03/29/83
City Engineer: McComb-Knutson	

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 650	Service Connections: 165	Storage Capacity: (List Separately) 50,000 – Elevated
Design Capacity (gal/day): 760,000	Average Daily Production (gal/day): 62,000	
Emergency Capacity (gal/day):	Highest Daily Production (gal/day): 115,000	Total: 50,000 gallons

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well #1	G	X				A								1940	10	526		693	Mt. Simon	78		
Well #2	G	P	Dc				B					Va		1975	12	150	32	184	Drift	67	3	Sub 250
Well #3	G	P	Dc			C						Va		1978	12	158	25	186	Drift	66	4	Sub 220

Remarks:

Well #1--USGS is monitoring

Surveyed by: D. Engstrom, P.E.

Approved by: R. Clark, Supvr.

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH
Section of Analytical Services

BUDGET NO. MDH210VOL

Date Collected 3/29/83

ORGANIC CHEMISTRY UNIT

Collected By _____

WATER ANALYSES ONLY

Report To R Clark D Engstrom

Date Received 3-30-83

Sample Number		Field Number	Sample Location and/or Description (Town, County, etc.)	Type of Container/ Total No. Containers
35216	a		Montrose, Well #2 B	Vials/4
35217	b		" " , Well #3 C	"
35218	c		Field Blank	Vials/1
	d			
	e			

This Line for LAB SAMPLE NUMBER ONLY		a 35216	b 35217	c 35218	d	e
ANALYSIS	CODE NO.					
Chlorophyll A	450					
Volatile Hydrocarbons	465 ✓					
Purgeable Aromatics	462					
Purgeable Halogenated	464					
Gasoline/Fuel Oil	463					
PAH	470					
Phenolic Compounds	480					
Phthalate Esters	490					
PCB's	420					
Herbicides	425					
2,4-D						
2,4,5-TP (Silvex)						
2,4,5-T						
esticides	421					
Lindane						
Methoxychlor						
Toxaphene						
Endrin						
Other Pesticides	422					
Field Blank 35218						

COMPLETED
APR 07 1983
ANALYTICAL SERVICES

B

MINNESOTA DEPARTMENT OF HEALTH
SECTION OF ANALYTICAL SERVICES

DATE 4 4 1983

VOLATILE HYDROCARBONS IN WATER
(* DENOTES PRIORITY POLLUTANT)

SAMPLE NUMBER 35216. MUNICIPAL VOLATILE ORGANICS

DATE RECEIVED 3 30 1983
DATE ANALYZED 3 31 1983

NON-HALOGENATED (CODE 462)

ACETONE	<	10. UG/L	TETRAHYDROFURAN	<	5. UG/L
ETHYL ETHER	<	1.0 UG/L	METHYL ETHYL KETONE	<	5. UG/L
* BENZENE	<	0.50 UG/L	METHYL ISOBUTYL KETONE	<	1.0 UG/L
* TOLUENE	<	0.50 UG/L	* ETHYLBENZENE	<	0.50 UG/L
CUMENE	<	0.50 UG/L	O-XYLENE	<	0.50 UG/L
M-XYLENE	<	0.50 UG/L	P-XYLENE	<	0.50 UG/L

HALOGENATED (CODE 464)

* CHLOROMETHANE	NA		* DICHLORODIFLUOROMETHANE	NA	
* VINYL CHLORIDE	NA		* BROMOMETHANE	NA	
* CHLOROETHANE	NA		* METHYLENE CHLORIDE	<	1.0 UG/L
* TRICHLOROFLUOROMETHANE	<	0.20 UG/L	ALLYLCHLORIDE	<	0.50 UG/L
* 1,1-DICHLOROETHYLENE	<	0.20 UG/L	* 1,1-DICHLOROETHANE	<	0.20 UG/L
* TRANS-1,2-DICHLOROETHYLENE	<	0.20 UG/L	CIS-1,2-DICHLOROETHYLENE	<	0.20 UG/L
* CHLOROFORM	<	0.20 UG/L	* 1,2-DICHLOROETHANE	<	0.20 UG/L
DIBROMOMETHANE	<	1.0 UG/L	* 1,1,1-TRICHLOROETHANE	<	0.20 UG/L
* CARBON TETRACHLORIDE	<	0.20 UG/L	* BROMODICHLOROMETHANE	<	0.50 UG/L
DICHLOROACETONITRILE	<	0.50 UG/L	2,3-DICHLORO-1-PROPENE	<	0.20 UG/L
* 1,2-DICHLOROPROPANE	<	0.20 UG/L	1,1-DICHLORO-1-PROPENE	<	0.20 UG/L
* TRANS-1,3-DICHLORO-1-PROPENE	<	0.20 UG/L	* 1,1,2-TRICHLOROETHYLENE	<	0.20 UG/L
1,3-DICHLOROPROPANE	<	3. UG/L	* CHLORODIBROMOETHANE	<	1.0 UG/L
* 1,1,2-TRICHLOROETHANE	<	0.20 UG/L	* CIS-1,3-DICHLORO-1-PROPENE	<	0.20 UG/L
1,2-DIBROMOETHANE	<	1.0 UG/L	* 2-CHLOROETHYLVINYL ETHER	<	1.0 UG/L
* BROMOFORM	<	1.0 UG/L	1,1,1,2-TETRACHLOROETHANE	<	0.20 UG/L
1,2,3-TRICHLOROPROPANE	<	2. UG/L	* 1,1,2,2-TETRACHLOROETHANE	<	2. UG/L
* 1,1,2,2-TETRACHLOROETHYLENE	<	2. UG/L	PENTACHLOROETHANE	<	2. UG/L
* CHLOROBENZENE	<	0.50 UG/L	1,1,2-TRICHLOROTRIFLUOROETHANE	<	0.50 UG/L
* 1,3-DICHLOROBENZENE	<	1.0 UG/L	* 1,2-DICHLOROBENZENE	<	1.0 UG/L
* 1,4-DICHLOROBENZENE	<	1.0 UG/L			

< 'LESS THAN'
NA 'NOT ANALYZED'

C

MINNESOTA DEPARTMENT OF HEALTH.
SECTION OF ANALYTICAL SERVICES

DATE 4 4 1983

VOLATILE HYDROCARBONS IN WATER
(* DENOTES PRIORITY POLLUTANT)

SAMPLE NUMBER 35217. MUNICIPAL VOLATILE ORGANICS

DATE RECEIVED 3 30 1983
DATE ANALYZED 3 30 1931

NON-HALOGENATED (CODE 462)

	ACETONE	< 10. UG/L		TETRAHYDROFURAN	< 5. UG/L
	ETHYL ETHER	< 1.0 UG/L		METHYL ETHYL KETONE	< 5. UG/L
*	BENZENE	< 0.50 UG/L		METHYL ISOBUTYL KETONE	< 1.0 UG/L
*	TOLUENE	< 0.50 UG/L	*	ETHYLBENZENE	< 0.50 UG/L
	CUMENE	< 0.50 UG/L		O-XYLENE	< 0.50 UG/L
	M-XYLENE	< 0.50 UG/L		P-XYLENE	< 0.50 UG/L

HALOGENATED (CODE 464)

*	CHLOROMETHANE	NA	*	DICHLORODIFLUOROMETHANE	NA
*	VINYL CHLORIDE	NA	*	BROMOMETHANE	NA
*	CHLOROETHANE	NA	*	METHYLENE CHLORIDE	< 1.0 UG/L
*	TRICHLOROFLUOROMETHANE	< 0.20 UG/L		ALLYLCHLORIDE	< 0.50 UG/L
*	1,1-DICHLOROETHYLENE	< 0.20 UG/L	*	1,1-DICHLOROETHANE	< 0.20 UG/L
*	TRANS-1,2-DICHLOROETHYLENE	< 0.20 UG/L		CIS-1,2-DICHLOROETHYLENE	< 0.20 UG/L
*	CHLOROFORM	< 0.20 UG/L	*	1,2-DICHLOROETHANE	< 0.20 UG/L
	DIBROMOMETHANE	< 1.0 UG/L	*	1,1,1-TRICHLOROETHANE	< 0.20 UG/L
*	CARBON TETRACHLORIDE	< 0.20 UG/L	*	BROMODICHLOROMETHANE	< 0.50 UG/L
	DICHLOROACETONITRILE	< 0.50 UG/L		2,3-DICHLORO-1-PROPENE	< 0.20 UG/L
*	1,2-DICHLOROPROPANE	< 0.20 UG/L		1,1-DICHLORO-1-PROPENE	< 0.20 UG/L
*	TRANS-1,3-DICHLORO-1-PROPENE	< 0.20 UG/L	*	1,1,2-TRICHLOROETHYLENE	< 0.20 UG/L
	1,3-DICHLOROPROPANE	< 3. UG/L	*	CHLORODIBROMOETHANE	< 1.0 UG/L
*	1,1,2-TRICHLOROETHANE	< 0.20 UG/L	*	CIS-1,3-DICHLORO-1-PROPENE	< 0.20 UG/L
	1,2-DIBROMOETHANE	< 1.0 UG/L	*	2-CHLOROETHYLVINYL ETHER	< 1.0 UG/L
*	BROMOFORM	< 1.0 UG/L		1,1,1,2-TETRACHLOROETHANE	< 0.20 UG/L
	1,2,3-TRICHLOROPROPANE	< 2. UG/L	*	1,1,2,2-TETRACHLOROETHANE	< 2. UG/L
*	1,1,2,2-TETRACHLOROETHYLENE	< 0.50 UG/L		PENTACHLOROETHANE	< 2. UG/L
*	CHLOROBENZENE	< 1.0 UG/L		1,1,2-TRICHLOROTRIFLUOROETHANE	< 0.50 UG/L
*	1,3-DICHLOROBENZENE	< 1.0 UG/L	*	1,2-DICHLOROBENZENE	< 1.0 UG/L
*	1,4-DICHLOROBENZENE	< 1.0 UG/L			

< 'LESS THAN'
NA 'NOT ANALYZED'

FIELD BLANK

MINNESOTA DEPARTMENT OF HEALTH
SECTION OF ANALYTICAL SERVICES

DATE 4 4 1983

VOLATILE HYDROCARBONS IN WATER
(* DENOTES PRIORITY POLLUTANT)

SAMPLE NUMBER 35218. MUNICIPAL VOLATILE ORGANICS

DATE RECEIVED 3 30 1983
DATE ANALYZED 3 31 1983

NON-HALOGENATED (CODE 462)

	ACETONE	< 10. UG/L		TETRAHYDROFURAN	< 5. UG/L
	ETHYL ETHER	< 1.0 UG/L		METHYL ETHYL KETONE	< 5. UG/L
*	BENZENE	< 0.50 UG/L		METHYL ISOBUTYL KETONE	< 1.0 UG/L
*	TOLUENE	< 0.50 UG/L	*	ETHYLBENZENE	< 0.50 UG/L
	CUMENE	< 0.50 UG/L		O-XYLENE	< 0.50 UG/L
	M-XYLENE	< 0.50 UG/L		P-XYLENE	< 0.50 UG/L

HALOGENATED (CODE 464)

*	CHLOROMETHANE	NA	*	DICHLORODIFLUOROMETHANE	NA
*	VINYL CHLORIDE	NA	*	BROMOMETHANE	NA
*	CHLOROETHANE	NA	*	METHYLENE CHLORIDE	< 1.0 UG/L
*	TRICHLOROFLUOROMETHANE	< 0.20 UG/L		ALLYLCHLORIDE	< 0.50 UG/L
*	1,1-DICHLOROETHYLENE	< 0.20 UG/L	*	1,1-DICHLOROETHANE	< 0.20 UG/L
*	TRANS-1,2-DICHLOROETHYLENE	< 0.20 UG/L		CIS-1,2-DICHLOROETHYLENE	< 0.20 UG/L
*	CHLOROFORM	< 0.20 UG/L	*	1,2-DICHLOROETHANE	< 0.20 UG/L
	DIBROMOMETHANE	< 1.0 UG/L	*	1,1,1-TRICHLOROETHANE	< 0.20 UG/L
*	CARBON TETRACHLORIDE	< 0.20 UG/L	*	BROMODICHLOROMETHANE	< 0.50 UG/L
	DICHLOROACETONITRILE	< 0.50 UG/L		2,3-DICHLORO-1-PROPENE	< 0.20 UG/L
*	1,2-DICHLOROPROPANE	< 0.20 UG/L		1,1-DICHLORO-1-PROPENE	< 0.20 UG/L
*	TRANS-1,3-DICHLORO-1-PROPENE	< 0.20 UG/L	*	1,1,2-TRICHLOROETHYLENE	< 0.20 UG/L
	1,3-DICHLOROPROPANE	< 3. UG/L	*	CHLORODIBROMOETHANE	< 1.0 UG/L
*	1,1,2-TRICHLOROETHANE	< 0.20 UG/L	*	CIS-1,3-DICHLORO-1-PROPENE	< 0.20 UG/L
	1,2-DIBROMOETHANE	< 1.0 UG/L	*	2-CHLOROETHYLVINYL ETHER	< 1.0 UG/L
*	BROMOFORM	< 1.0 UG/L		1,1,1,2-TETRACHLOROETHANE	< 0.20 UG/L
	1,2,3-TRICHLOROPROPANE	< 2. UG/L	*	1,1,2,2-TETRACHLOROETHANE	< 2. UG/L
*	1,1,2,2-TETRACHLOROETHYLENE	< 2. UG/L		PENTACHLOROETHANE	< 2. UG/L
*	CHLOROBENZENE	< 0.50 UG/L		1,1,2-TRICHLOROTRIFLUOROETHANE	< 0.50 UG/L
*	1,3-DICHLOROBENZENE	< 1.0 UG/L	*	1,2-DICHLOROBENZENE	< 1.0 UG/L
*	1,4-DICHLOROBENZENE	< 1.0 UG/L			

< 'LESS THAN'
NA 'NOT ANALYZED'

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Montrose Municipal Water Supply
PWS ID Number: 1860016
Street:
Telephone Numbers: City: 675-3717; Operator:; Engineer:; Other:
City: Montrose
State: MN
Zip Code: 55363
County: Wright
District: Metropolitan
Water Superintendent: Roy Kreitlow
Classification: D
Plant Classification: D
Owner Type: Municipal
Other Operators:
Classification:
Plant Type: Community
Plumbing Permits and Inspections Required: [X] Yes [ ] No
Date of Previous Survey: 03/29/83
Date of Survey: 08/10/84
City Engineer: McComb-Knutson

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 650
Service Connections: 165
Storage Capacity (List Separately): 50,000 elevated
Design Capacity (gal/day): 760,000
Average Daily Production (gal/day): 62,000
Emergency Capacity (gal/day):
Highest Daily Production (gal/day): 115,000
Total: 50,000 gallons

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
A Well 1	G	X												1940	10	526		693	Mt. Simon	78		
B Well 2	G	P	Dc									Va		1975	12	152	32	184	Drift	67	3	Sub 250
C Well 3	G	P	Dc									Va		1978	12	158	25	186	Drift	66	4	Sub 220

Remarks: Well #1 - USGS is monitoring

Surveyed by: Steve Craig
Approved by: David Engstrom

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Steve Craig Report To Metro

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Montrose	Well 1
b	Montrose	Kreitlow Res.
c	Montrose	Red's Cafe
d		
e		
f		

This line for lab use only. Sample Number	a 10639	b 10640	c 10641	d	e	f
Date Collected 08/10/84						
Time Collected						
Date Received by Lab	08/10/84					
Coliform group organisms M.P.N./100 ml Con. ☒ Comp. ☐	< 2.2	< 2.2	< 2.2			
Coliform group organisms M.F.C./100 ml						
Arsenic µg/l		< 5				
Barium µg/l		< 200				
Cadmium µg/l		< 1				
Chromium µg/l		< 5				
Fluoride mg/l		1.3				
Lead µg/l		< 10				
Mercury µg/l		1.26				
Nitrate Nitrogen mg/l		.4				
Residual Chlorine						
Selenium µg/l		< 5				
Silver µg/l		< 5				
Sodium mg/l						
Gross Alpha						
Radium Alpha						
Uranium Alpha						
Radium-228						

HE-00843-02

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Montrose Municipal Water Supply
PWS ID Number: 1860016
Street:
Telephone Numbers: City: 675-3717; Operator: 675-3285(Nelson); Engineer:; Other: 675-3244(Kreitlow)
City: Montrose
State: MN
Zip Code: 55363
County: Wright
District: Metropolitan
Water Superintendent: Roy Kreitlow
Classification: D
Plant Classification: D
Owner Type: Municipal
Other Operators: Charles Nelson
Classification: N.C.
Plant Type: Community
Plumbing Permits and Inspections Required: [X] Yes [ ] No
Date of Previous Survey: August 10, 1984
Date of Survey: July 16, 1985
City Engineer: McComb - Knutson (Fred Malaeg)

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 890
Service Connections: 187
Storage Capacity: (List Separately) 50,000 elevated
Design Capacity (gal/day): 630,000
Average Daily Production (gal/day): 68,000
Emergency Capacity (gal/day):
Highest Daily Production (gal/day): 115,000
Total: 50,000 gallons

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well #1	G	X					A							1940	10	526		693	Mt. Simon	78		
Well #2	G	P	Dc					B				Va		1975	12	152	32	184	Drift	67	3	Sub 220
Well #3	G	P	Dc				C					Va		1978	12	158	25	186	Drift	66	4	Sub 220

Remarks: Well #1 - USGS is monitoring.

Surveyed by: David B. Engstrom
Approved by: Richard Clark

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Montrose Municipal Water Supply
PWS ID Number: 1860016
Street: 260 Second Street S.W.
Telephone Numbers: City: 675-3717; Operator: 675-3285(Nelson); Engineer: ; Other:
City: Montrose
State: MN
Zip Code: 55363
County: Wright
District: Central
Water Superintendent: Tom Klett
Classification:
Plant Classification: D
Owner Type: Municipal
Other Operators: Charles Nelson
Classification: N.C.
Plant Type: Community
Plumbing Permits and Inspections Required: [X] Yes [ ] No
Date of Previous Survey: 7-16-85
Date of Survey: 3-17-87
City Engineer: McComb-Knutson (Fred Malaeg)

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 1030
Service Connections: 360
Storage Capacity: (List Separately) 50,000 gallons elevated
Design Capacity (gal/day): 630,000
Average Daily Production (gal/day): 75,590
Emergency Capacity (gal/day):
Highest Daily Production (gal/day): 106,000
Total: 50,000 gallons

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well #1	G	X				A								1940	10"	526'		693'	Mt. Simon	78'		
Well #2	G	P	Dc				B					Va		1975	12"	152'	32'	184'	Drift	60'	97"	SUB 220
Well #3	G	P	Dc			C						Va		1978	12"	158'	25'	183'	Drift	618"	5'4"	SUB 220

Remarks:

Surveyed by: David M. Schultz
Approved by: James A. Feddema

HE-00842-02

DEPARTMENT OF NATURAL RESOURCES

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
CENTRAL REGION
1035 S. BENTON DRIVE
SAUK RAPIDS, MN 56379-1209
320-223-7850

April 6, 2017

City of Montrose
Sean Diercks
Public Works Director
PO Box 25
Montrose, MN 55363

Dear Mr. Diercks:

RE: WATER SUPPLY PLAN APROVAL, CITY OF MONTROSE, WRIGHT COUNTY

Our office has completed the review of your 2016 Water Supply Plan for public water supply authorized under DNR Permit 1984-3186.

I am pleased to advise you that in accordance with Minnesota Statutes, Section 103G.291, Subdivision 3, and on behalf of the Commissioner of Natural Resources, I hereby approve your plan. This approval is effective upon the Department's receipt of a completed copy of the attached "Certification of Adoption" form. Please return the form to my office as soon as the City Council officially adopts the plan.

Thank you for your efforts in planning for the future of the City of Montrose water supply and for conserving the water resources of the State of Minnesota. If you have any questions or need additional assistance with your water appropriation permit, please contact me at 320-223-7850 or at roger.stradal@state.mn.us, in our Sauk Rapids area office.

Sincerely,

Roger Stradal

Roger Stradal
Area Hydrologist

Enclosure – Certification of Adoption Form

Cc: Dan Lais, District Manager
Wright County SWCD
Carmelita Nelson, Water Conservation Consultant
Minnesota Permitting and Reporting System (MPARS)

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 surface and subsurface areas surrounding a public water supply well, including the wellhead protection area, that must be managed by the entity identified in the wellhead protection plan. (Minnesota Rules, part 4720.5100, subpart 13). This area is delineated using identifiable landmarks that reflect the scientifically calculated wellhead protection area boundaries as closely as possible.

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.

Emergency Standby Well. A well that is pumped by a public water supply system only during emergencies, such as when an adequate water supply cannot be achieved because one or more primary or seasonal water supply wells cannot be used.

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.

Nonpoint Source Contamination. Refers to contamination of the drinking water aquifer that is caused by polluted runoff or pollution sources that cannot be attributed to a specifically defined origin, e.g., runoff from agricultural fields, feedlots, or urban areas.

Point Source Contamination. Refers to contamination of the drinking water aquifer that is attributed to pollution arising from a specifically defined origin, such as discharge from a leaking fuel tank, a solid waste disposal site, or an improperly constructed or sealed well.

Primary Water Supply Well. A well that is regularly pumped by a public water supply system to provide drinking water.

Seasonal Water Supply Well. A well that is only used to provide drinking water during certain times of the year, either when pumping demand cannot be met by the primary water supply well(s) or for a facility, such as a resort, that is closed to the public on a seasonal basis.

Vulnerability. Refers to the likelihood that one or more contaminants of human origin may enter either 1) a water supply well that is used by the public water supplier or 2) an aquifer that is a source of public drinking water.

WHP 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, part 103I.005, subdivision 24).

WHP Plan Goal. An overall outcome of implementing the WHP plan, e.g., providing for a safe and adequate drinking water supply.

WHP Measure. A method adopted and implemented by a public water supplier to prevent contamination of a public water supply, and approved by the Minnesota Department of Health under Minnesota Rules, parts 4720.5110 to 4720.5590.

WHP Plan Objective. A capability needed to achieve one or more WHP goals, e.g., implementing WHP measures to address high priority potential contamination sources within 5 years.

CITY OF MONTROSE WHPP - IMPLEMENTATION SCHEDULE

Appendix IX - City of Montrose

NOTE: 1) For a complete description of each strategy, refer to the WHP Plan, Chapter 5.

2) Year 1 starts 60 days after final plan approval is received from MDH.

STRATEGIES	Potential Grant Funded	On-going or As needed	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	COMPLETION DATE
MONITORING, DATA COLLECTION, AND ASSESSMENT:													
1 - Contact MDH Hydro - set up PWS well sampling.	X						X						
2 - If new well site is necessary/feasible, work with MDH to determine suitable site.	X	X											
3 - Purchase and install transducers and software to monitor static water levels.	X	X											
4 - Purchase GPS to verify new wells - report data to MDH.	X	X											
5 - Request verified list of newly constructed wells.	X						X	X					
6 - Assess security needs and apply for funding as needed for physical security measures.	X												
WELL AND CONTAMINANT SOURCE MANAGEMENT:													
7 - Implement activities directed in the MDH Sanitary Survey and IWMZ (apply for grants).	X	X											
8 - Call MDH to update IWMZ inventory for all system wells.	X							X					
9 - Send letter to BNSF Railroad to coordinate spill response plan for IWMZ within corridor.	X		X										
10 - Monitor setbacks for new potential contaminant sources within the IWMZ.	X	X											
11 - Work with MDH or MRWA to identify wells located within the OMW report.	X		X	X									
12 - Apply for MDH grant or well management funds to seal Old Municipal Wells.	X	X											
13 - Notify MDH if Class V well is identified.	X	X											
14 - Apply for MDH funding to seal wells of unknown depth or ≥145-feet deep.	X	X											
15 - Locate and verify unlocated or unknown wells within the DWSMA. If sealed attempt to get sealing records from property owner.	X			X	X								
EDUCATION AND OUTREACH:													
16 - Develop WHP web page on the city website.	X		X	X									
17 - Provide well management and well sealing information at City Hall.	X	X											
LAND USE AND PLANNING:													
18 - Apply for MDH funding to update comprehensive plan and/or local ordinances if needed.	X	X											
WHP COORDINATION, REPORTING, AND EVALUATION:													
19 - Meeting to review wellhead measures and plan implementation every 2.5-years.	X			X		X			X		X		
20 - Maintain WHP folder.	X		X	X	X	X	X	X	X	X	X	X	
21 - Develop Spreadsheet for implementation.	X		X										
22 - Complete evaluation report every 2.5-years.	X			X		X			X		X		
23 - Summarize plan implementation in year 8 and report to MDH.	X									X			