



**AGENDA**  
**Utility Commission Regular Meeting**  
**Monday, November 27, 2023**  
**5:30 PM**  
**Conference Room, City Hall**

- 1. CALL TO ORDER**
- 2. ADDITIONS OR CORRECTIONS TO AGENDA**
- 3. AUDIENCE INPUT**
- 4. APPROVAL OF MINUTES**
  - a. October 23, 2023 Utility Commission Meeting Minutes
- 5. PUBLIC HEARINGS**
- 6. OLD BUSINESS**
  - a. Manganese Outreach
- 7. NEW BUSINESS**
- 8. EXECUTIVE DIRECTOR'S REPORT**
  - a. Well Pumping Report
  - b. Action Item / Issues list
  - c. Set Next Meeting Agenda – March 25, 2024
- 9. ADJOURNMENT**

**CALL TO ORDER**

Pursuant to due call and notice thereof, a regular meeting of the Utility Commission was held on Monday, October 23, 2023, at 5:32 PM in Rosemount Conference Room, 2875 145<sup>th</sup> Street West.

Chairperson Johnson called the meeting to order with Commissioners Demuth and Miller.

Staff present included the following;

City Administrator Logan Martin, Finance Director Teah Malecha, Public Works Director Nick Egger, Mayor Jeff Weisensel, and Recording Secretary Amy Simonson.

**ADDITIONS OR CORRECTIONS TO AGENDA**

None.

**AUDIENCE INPUT**

None.

**APPROVAL OF MINUTES**

**4.a. September 25, 2023 Utility Commission Meeting Minutes**

**Motion** to approve the September 23, 2023 Utility Commission meeting minutes.

**Motion by Miller Second by Demuth**

**Ayes: 3.**

**Nays: None. Motion Carried.**

**PUBLIC HEARINGS**

None.

**OLD BUSINESS**

**6.a. 2024 Utility Rate Recommendations**

Staff presented the refined proposed 2024 Utility Rate Charges and discussed reasoning for increased rates. For a median water user, rates will increase approximately \$40 for the year.

**Motion by Demuth Second by Miller**

**Motion** to Endorse the proposed 2024 Utility Rate Adjustments for the City Councils' consideration.

**Ayes: 3.**

**Nays: None. Motion passed.**

**6.b. Manganese Levels**

Discussion continued regarding additional dissemination of informational notices regarding Manganese levels in the City water supply. The City will be sending out a similar notice to the

informational mailing sent out in September to all licensed daycare providers in Rosemount, through the Dakota County Health and Human Services electronic notification system to all pediatric clinics in the County.

Commissioners also requested some minor changes to the language in the notice posted to the City website regarding Manganese levels for clarification purposes.

## **NEW BUSINESS**

None.

## **EXECUTIVE DIRECTOR'S REPORT**

### **8.a. Well Pumping Report**

The Commissioners were presented with the most recent well pumpage data through the end of September, which includes the manual well pumpage information on Well 7 that was previously missing. Director Egger noted that well pumpage rates are already over 100,000,000 gallons more in Q3 2023 than in Q3 2022, which may be due to being in a 3rd year of drought. Currently, the DNR still indicates the majority of Dakota County is in moderate drought stage.

### **8.b. City Meter Readings**

Commissioners reviewed the first 3 quarters of City meter readings for 2023. It was noted there is a 70% change in the Q3 readings for 2023 over Q3 2022. This change is likely due to previous misreads last year.

### **8.c. Manual Well Ground Water Readings**

Commissioners reviewed the graphs of the City's monitoring wells for the last several years. Trends indicate a drop during months of high usage, but levels rebound outside of the high water usage season. Additionally, it was noted Well 14 East and Well 16 have the most dramatic changes likely due to being near production wells.

Commissioners requested to see groundwater level readings from production wells next year.

### **8.d. Set Next Meeting Agenda – November 27, 2023**

- i. Manganese levels - feedback from day care providers to mailing; discuss other cities' information dissemination efforts.

## **ADJOURNMENT**

There being no further business to come before the City Council at the regular council meeting and upon a motion by Demuth and a second by Miller, the meeting was adjourned at 6:57 p.m.

Respectfully submitted,

Amy Simonson  
Recording Secretary

Utility Commission Regular Meeting: November 27, 2023

<b>AGENDA ITEM:</b> Manganese Outreach	<b>AGENDA SECTION:</b> OLD BUSINESS
<b>PREPARED BY:</b> Nick Egger, Public Works Director	<b>AGENDA NO.</b> 6.a.
<b>ATTACHMENTS:</b> Rosemount Manganese Outreach to Clinics	<b>APPROVED BY:</b> NAE
<b>RECOMMENDED ACTION:</b> No action, summary and discussion only.	

**BACKGROUND**

At both the September 25th and October 23rd Utility Commission meetings, Commissioners requested to continue discussion on additional ways to disseminate informational notices regarding Manganese levels and the Minnesota Department of Health's recommended health guidelines for residents with infants. During the last few months, City staff have issued an updated version of an informational flyer on manganese levels in the City's municipal wells. The flyer features advisory content regarding consumption of drinking water with manganese levels above 100mg/l. This updated version contains sampling data gathered in early 2023. The flyer is also posted on the City's website under the Water Quality Report page (<https://www.rosemountmn.gov/255/Water-Quality-Report>).

In early September, the City sent a direct mailing of the aforementioned flyer to all licensed daycare providers within Rosemount, and in November, City staff furnished a similar packet to Dakota County Health & Human Services for dissemination to all pediatric clinics within Dakota County using their electronic distribution system.

The packet distributed in November has been attached for the Commissioners' reference.

Although not regulated, and not required by the Minnesota Department of Health or EPA, heading into the future, it is staff's plan to take steps to highlight the existence of this information on manganese within the same announcement that is required of the City for notifying the public of the annual update to the Consumer Confidence (Water Quality) Report each spring. This announcement is featured on the City's website, and within the annual Spring Citywide newsletter, a document which is mailed to every property within the City limits.

**RECOMMENDATION**

No action required.

November, 2023

Re: Manganese Levels in Rosemount Drinking Water

Dear Health Care Provider:

The City of Rosemount is taking this opportunity to directly provide information regarding manganese concentrations in the City's public water supply. Water from several of the City's wells contains concentrations of manganese above guidelines when it comes to consumption by infants of less than 1 year of age, and since you may provide direct care of infants, it is important for us to keep you informed directly about this matter.

Please see the enclosed two-page handout featuring further details. This document can also be found on the City's web page at [www.rosemountmn.gov/255/Water-Quality-Report](http://www.rosemountmn.gov/255/Water-Quality-Report). We've sent a similar notice to area daycares.

If you have any questions, please contact our Public Works Department at 651-322-2022 or [pwadm@rosemountmn.gov](mailto:pwadm@rosemountmn.gov).

Sincerely,

**Rosemount Public Works**

November 2023

## RE: Manganese Levels in Rosemount Public Water Supply

The City of Rosemount is dedicated to providing safe and clean drinking water to the residents and businesses connected to the public water system. Frequent testing by the City and Minnesota Department of Health (MDH) shows the municipal public water supply continues to meet all Safe Drinking Water Act standards. The annual water quality report is available for public review on the city website at [www.rosemountmn.gov/waterquality](http://www.rosemountmn.gov/waterquality).

Since 2019, the City and the MDH have been conducting additional sampling and testing as part of a study on *unregulated* contaminants. This testing continues to show that some city wells have manganese levels that exceed recommended health guidelines for some of the population, particularly infants under 1 year of age.

### What is Manganese?

Manganese (Mn) is a naturally occurring element found in rocks and soil. It is often found in Minnesota ground and surface water. The human body needs some manganese to stay healthy, but too much can be harmful. According to the Minnesota Department of Health, children and adults who drink water with levels of manganese above the guidance level for a long duration may have problems with memory, attention, and motor skills. Infants one year old and younger may develop learning and behavior problems if they drink water levels of manganese above the guidance level. You can learn more by visiting the MDH webpage at [www.health.state.mn.us](http://www.health.state.mn.us) and searching for *Manganese in Drinking Water*.

A two page information sheet can be found at:

<https://www.health.state.mn.us/communities/environment/water/docs/contaminants/mangnsefctsht.pdf>

Manganese is unregulated and does not have an enforceable standard. However, the MDH recommended health guidelines include:

1. If you have an infant (under 1 year of age) who drinks water or drinks formula made with tap water, a safe level of manganese in your water is 100 parts per billion (ppb) or 100 micrograms per liter ( $\mu\text{g}/\text{l}$ ) or less.
2. If you have an infant (under 1 year of age) who NEVER drinks water or formula made with tap water, a safe level of manganese in your water is 300 ppb or 300  $\mu\text{g}/\text{l}$  or less.
3. If everyone in a household is more than one year old, a safe level of manganese in your water is 300 ppb or 300  $\mu\text{g}/\text{l}$  or less.

In addition, the Environmental Protection Agency (EPA) has a secondary maximum contaminant level which is a *non-mandatory water quality standard* for manganese of 50 ppb or 50  $\mu\text{g}/\text{l}$ . This number is an aesthetic standard due to the possibility of stained fixtures and laundry.

The City's municipal water supply consists of nine city wells, and four water towers. The water mixes in the mains and towers and is then distributed to the consumer's tap. Because of this mixing, the actual level of manganese at each drinking water tap will vary from place to place but in most places would likely be below 100 micrograms per liter ( $\mu\text{g}/\text{l}$ ).

Additionally, many residences and business establishments have an on-site water softener or filtration system for supplemental water quality improvements above and beyond regulations. These devices will reduce manganese in drinking water before it reaches the tap.

**City Actions**

Below is a table of are manganese concentrations from the most recent round of samples taken directly at each well and tested by the Minnesota Department of Health. These samples were collected in early 2023.

<b>Well No.</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>14</b>	<b>15</b>	<b>16</b>
Manganese Concentration ( $\mu\text{g/l}$ )	115	120	72	107	68	85

Again, it is important to note that water from all wells does blend together at the City’s water towers and within the water distribution system, with actual concentrations at the faucet/tap varying from place to place. In addition, since 2019 the City has been operating our wells with the highest concentrations as little as possible while balancing the needs of overall water demand (summertime peak uses, firefighting events). The city has also contracted with an engineering firm to a review and provide recommendations to reduce the impact of the manganese, and we continue to work on planning for constructing a facility that will lessen iron and manganese concentrations in the water supply.

In addition to the city water system, many rural households in Rosemount rely on private wells for their water supply. Testing results for manganese levels in private wells, provided by Dakota County, show 39% of well water samples exceed the drinking water guidance of 100 micrograms per liter. Again, water softeners and/or filtration systems can effectively reduce manganese levels in tap water.

**If you have additional comments or questions, please contact the Public Works Department at 651-322-2022.**

### 2023 Well Pumping Record

GPM	1,200	1,235	1,600	1,500	1,500	1,500	2,000	500	500	Precipitation					
2023	Well 7	Well 8	Well 9	Well 12	Well 14	Well 15	Well 16	Rural 1	Rural 2	2023 Total	2022 Total	% Change	2022	2023	Diff
Jan	6,000	1,477,000	15,504,000	3,000	0	22,174,000	0	2,610,000	2,399,000	44,173,000	43,605,500	1.3%	0.64	2.25	1.61
Feb	79,000	10,390,000	6,719,000	243,000	278,000	8,855,000	11,247,000	2,278,000	2,073,000	42,162,000	44,728,400	-5.7%	0.78	2.23	1.45
Mar	0	13,464,000	6,092,000	57,000	8,047,000	0	14,560,000	2,479,000	2,413,000	47,112,000	47,224,000	-0.2%	2.95	2.72	-0.23
Q1 Total	85,000	25,331,000	28,315,000	303,000	8,325,000	31,029,000	25,807,000	7,367,000	4,472,000	131,034,000	132,555,900	-1.1%	4.37	7.20	2.83
Apr	0	0	9,463,000	7,763,000	12,217,000	11,795,000	235,000	2,589,000	2,311,000	46,373,000	44,602,300	4.0%	3.99	2.39	-1.60
May	0	8,653,000	13,881,000	28,378,000	5,451,000	136,728,000	16,530,000	3,865,000	3,909,000	217,395,000	91,616,800	137.3%	3.33	1.62	-1.71
Jun	6,222,000	40,107,000	761,000	15,061,000	44,321,000	0	31,427,000	3,068,000	3,234,000	144,201,000	162,212,500	-11.1%	1.13	0.93	-0.20
Q2 Total	6,222,000	48,760,000	24,105,000	51,202,000	61,989,000	148,523,000	48,192,000	9,522,000	9,454,000	407,969,000	298,431,600	36.7%	8.45	4.94	-3.51
Jul	3,571,000	27,269,000	29,349,000	14,232,000	31,570,000	0	42,077,000	3,554,000	3,206,000	154,828,000	191,696,000	-19.2%	1.18	2.57	1.39
Aug	3,097,000	34,198,000	21,383,000	19,490,000	34,297,000	19,407,000	35,516,000	3,758,000	3,648,000	174,794,000	140,897,000	24.1%	4.27	2.29	-1.98
Sep	2,206,000	28,690,000	13,457,000	12,114,000	31,009,000	47,251,000	10,603,000	3,636,000	2,973,000	151,939,000	137,959,000	10.1%	0.24	5.72	5.48
Q3 Total	8,874,000	90,157,000	64,189,000	45,836,000	96,876,000	66,658,000	88,196,000	10,948,000	9,827,000	481,561,000	470,825,000	2.3%	5.69	10.58	4.89
Oct	0	11,375,000	16,617,000	8,000	1,458,000	17,000	28,438,000	3,150,000	3,044,000	64,107,000	87,864,000	-27.0%	0.24	4.50	4.26
Nov										0	46,602,000	-100.0%	2.40		-2.40
Dec										0	50,371,000	-100.0%	1.82		-1.82
Q4 Total	0	11,375,000	16,617,000	8,000	1,458,000	17,000	28,438,000	3,150,000	3,044,000	64,107,000	184,837,000	-65.3%	4.46	4.50	0.04
<b>Total</b>	<b>15,181,000</b>	<b>175,623,000</b>	<b>133,226,000</b>	<b>97,349,000</b>	<b>168,648,000</b>	<b>246,227,000</b>	<b>190,633,000</b>	<b>30,987,000</b>	<b>29,210,000</b>	<b>1,087,084,000</b>	<b>1,089,651,500</b>	<b>-0.2%</b>	<b>22.97</b>	<b>27.22</b>	<b>4.25</b>
<b>Average/Mo</b>	<b>1,518,100</b>	<b>17,562,300</b>	<b>13,322,600</b>	<b>9,734,900</b>	<b>16,864,800</b>	<b>24,622,700</b>	<b>19,063,300</b>	<b>3,098,700</b>	<b>2,977,444</b>	<b>108,764,844</b>	<b>90,803,911</b>	<b>19.8%</b>			
<b>Average/Day</b>	<b>41,592</b>	<b>481,159</b>	<b>365,003</b>	<b>266,710</b>	<b>462,049</b>	<b>674,595</b>	<b>522,282</b>	<b>84,896</b>	<b>80,027</b>	<b>2,978,312</b>	<b>2,985,347</b>	<b>-0.2%</b>			
<b>Year To-Date</b>										<b>1,087,084,000</b>	<b>992,405,500</b>	<b>9.5%</b>	<b>22.97</b>	<b>27.22</b>	<b>4.25</b>