

ROTHSCHILD WATER UTILITY COMMISSION

Meeting Agenda

211 Grand Avenue

Rothschild, WI 54474

715-359-3660 Fax 715-359-7218

www.rothschildwi.com

Date: Monday, January 13, 2020

Time: 5:45 pm

Place: Rothschild Village Hall – Board Room

Pursuant to State Statutes, the following subject matter will come before the Board for consideration and possible action:

1. Call to Order
2. Meeting Minutes of December 9, 2019
3. Operator's Report
4. Discussion of Village of Kronenwetter Water Sale
5. Adjourn

Signed: *Elizabeth Felkner*
Presiding Officer or Designee

Posted at the: Rothschild Village Hall & Rothschild Post Office

By: EF
Date: 1-10-2020

Daily Herald Notified:

Via: FAX
By: EF
Date: 1-10-2020

NOTE: Please note, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact the Village Clerk's Office, 359-3660, during the normal hours of operation.

If there is a quorum of any other governmental body present at the meeting, the existence of the quorum shall not constitute a meeting as no action of such body is contemplated.



Accepted:

1. Call to Order:

Village President George Peterson called the meeting to order at 6:15pm. Members present: Dan Mortensen, Deb Ehster, Bill Schremp, Craig McEwen, Paul Kennedy, and Village President George Peterson. Trustee Rex Zemke did arrive later. Also present: Administrator Gary Olsen, Administrator of Public Works Timothy Vergara, and Clerk Elizabeth Felkner.

2. Meeting Minutes of November 25, 2019:

Motioned by Mortensen/Ehster to Approve the Meeting Minutes of November 25, 2019 as Presented. Questioned and carried 6:0.

3. Well #4 Update:

Mr. Vergara requested to have Ken Ligman present to give a short overview of the progress of the well search. The search area is in the immediate vicinity of Well #4. Mr. Ligman explained the difficulties happening with Well #4. Mr. Ligman suggested to do soil borings around the Well. Boring 1 is roughly 10 feet away from Well #4, Boring 2 is roughly 60-70 feet away, and Boring 3 was roughly 40 feet north. With the sampling, the rules require a well be located 50 feet away from a lot line. Mr. Ligman explained the levels of bed rock along with the river elevation and the impacts this has with drilling a new well. Mr. Ligman mentioned that he is waiting for feedback from the DOR. Mr. Ligman would like to run pro-long tests to get results of the water. Mr. Ligman would like to drill 2 additional borings to the northwest. Once all the data and materials are available, Mr. Ligman will explain further information to the Commission and recommend either a new well be drilled or if Well #4 can be replaced.

4. Adjourn:

**Motioned by Mortensen/Schremp to Adjourn. Questioned and carried 7:0.
Meeting adjourned at 6:33pm.**

Elizabeth Felkner
Village of Rothschild Clerk



VILLAGE OF
Rothschild

TO: WATER COMMISSION
FROM: TIMOTHY D. VERGARA PE, ADMINISTRATOR OF PUBLIC WORKS
SUBJECT: WATER COMMISSION UPDATE *TDL*
DATE: 1/10/2020

Agenda Items

On December 19, 2019, Gary, Rick and I had a Skype conference meeting with members of the Wisconsin Public Service Commission (PSC) and staff of the Village of Kronenwetter. The remote meeting was to discuss, with the PSC, the preliminary intentions of Kronenwetter to purchase an estimated amount of water per day from the Rothschild Water Utility.

As a result, the PSC gave recommendations and direction to Kronenwetter (and some to Rothschild) on how to proceed in terms of what will be needed as part of an approval process.

Ken Ligman has been doing evaluations on Rothschild's water system to demonstrate various loadings and population use estimates to educate the Commission on the true capacity of Rothschild's water system.

Attached is Ken's material from which he will give a presentation at Monday's meeting.

Rothschild

Tim Vergara

From: Kenneth J. Ligman <kligman@becherhoppe.com>
Sent: Friday, January 10, 2020 12:59 PM
To: Tim Vergara; Gary Olsen
Cc: Rick Stoviak; Stephen M. Opatik
Subject: well capacity
Attachments: water supply.pdf

We have provided the current year and year 2040 average day and maximum projections for the water supply system. It is noted that the year 2040 demand is slightly larger than the current demand. As we understand the water system historic consumption characteristics, maximum day water use occurs over a few days several times each summer and during watermain flushing periods. Likewise, water is supplied to Kerry for only a few days each year. So for most times of the year, the Village has excess average day capacity of more than 0.87 MGD using conservative well operation of 14 hours per day. Even when a well pump would be out of service, the excess capacity would exceed 0.29 MGD. Likewise, the maximum day well supply using conservative well operation of 14 hours per day would exceed 0.21 MGD when also supplying water to Kerry and would exceed 0.88 MGD when not supplying water to Kerry.

Ken Ligman
Senior Engineer

Becher-Hoppe Associates, Inc.
330 N. 4th Street | Wausau WI | 54403
Direct 715-845-0432 | Office 715-845-8000
kligman@becherhoppe.com | www.becherhoppe.com

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Table 1

Total Available Water Supply			
Well No.	Maximum Day Capacity (GPM)	Average Day Capacity (GPM)	Average Day Capacity * (GPM)
3	700	700	700
4	700	700	0
5	500	500	500
6	700	700	700
Total	2600	2600	1900

Hours of Operation	Total (MGD)	Capacity (MGD)	Capacity* (MGD)
14	2.18	2.18	1.60
16	2.50	2.50	1.82
18	2.81	2.81	2.05

* With largest well pump out of service

Table 8

Village of Rothschild

Summary of Water Consumption - Year 2020

1 . Existing Annual Average Daily Pumpage (GPD)	620,000
2 . Future Population Average Day Consumption(GPD)	0
3 . Total Average Day Consumption (GPD) (Items (1 -2)	620,000
4 . Rate of Use -- Average Day (GPM)	430
5 . Maximum Day (GPD) (Item 1-2) X 2	1,240,000
6 . Rate of Use -- Maximum Day (GPM)	860

Table 9

**Village of Rothschild with Kerry
Summary of Water Consumption - Year 2020**

1 . Existing Annual Average Daily Pumpage (GPD)	620,000
2 . Future Population (GPD)	0
3 . Kerry Average Day Pumpage	660,000
4 . Total Average Day Consumption (GPD) (Items (1 -3))	1,280,000
5 . Rate of Use – Average Day (GPM)	890
6 . Maximum Day (GPD) ((Item 1-2) X 2 +660,000)	1,900,000
7 . Rate of Use – Maximum Day (GPM)	1,320

Table 10

Village of Rothschild

Summary of Future Water Consumption - Year 2040

1 . Existing Annual Average Daily Pumpage (GPD)	620,000
2 . Future Population Average Daily Pumpage(GPD)	30,000
3 . Total Average Day Consumption (GPD) (Items (1 - 2))	650,000
4 . Rate of Use – Average Day (GPM)	450
5 . Maximum Day (GPD) (Item 3 X 2)	1,300,000
6 . Rate of Use – Maximum Day (GPM)	900

Table 11

**Village of Rothschild with Kerry
Summary of Future Water Consumption - Year 2040**

1 . Existing Annual Average Daily Pumpage (GPD)	620,000
2 . Future Population Average Daily Pumpage(GPD)	30,000
3 . Kerry Average Daily Pumpage	660,000
4 . Total Average Day Consumption (GPD) (Items (1 - 3))	1,310,000
5 . Rate of Use – Average Day (GPM)	910
6 . Maximum Day (GPD) ((Item 1-2) X 2 + 660,000)	1,980,000
7 . Rate of Use – Maximum Day (GPM)	1,375

Table 12

Excess Water Supply Capacity- MGD

Rothschild 2020	Average Day	Average Day*	Maximum Day
Excess Capacity			
14 Hours	1.56	0.98	0.94
16 Hours	1.88	1.21	1.26
18 Hours	2.19	1.43	1.57
Rothschild & Kerry 2020	Average Day	Average Day*	Maximum Day
Excess Capacity			
14 Hours	0.94	0.36	0.28
16 Hours	1.26	0.58	0.61
18 Hours	1.57	0.81	0.91
Rothschild 2040	Average Day	Average Day*	Maximum Day
Excess Capacity			
14 Hours	1.53	0.95	0.88
16 Hours	1.85	1.17	1.21
18 Hours	2.16	1.41	1.51
Rothschild & Kerry 2040	Average Day	Average Day*	Maximum Day
Excess Capacity			
14 Hours	0.87	0.29	0.21
16 Hours	1.09	0.51	0.52
18 Hours	1.51	0.74	0.83

*** With largest well pump out of service**