

From: Lehmann Kerler, Liesa K - DNR
Sent: Monday, February 26, 2018 8:25 AM
To: Kasdorf, James H Jr - DNR; Rheineck, Bruce D - DNR; Johnson, Dave M - DNR
Cc: Nessman, Martin D - DNR; Chronert, Roxanne N - DNR; Beggs, Tauren R - DNR
Subject: RE: City of Manitowoc request for meeting

Thanks for keeping us in the loop Jim. Based on the attachments this sounds like aesthetic water quality issues and possible problems with the treatment systems, so there may be limited role for DNR. I'm confident you can handle any questions, so I don't think Marty or I will need to join the call. Touch base with Dave prior to the 11:00 call if you need any additional background on the SWCDA requirements.

~Liesa

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Liesa Lehmann

Phone: (608) 267-7649

Liesa.LehmannKerler@wisconsin.gov

From: Kasdorf, James H Jr - DNR
Sent: Monday, February 26, 2018 6:52 AM
To: Lehmann Kerler, Liesa K - DNR <Liesa.LehmannKerler@wisconsin.gov>; Rheineck, Bruce D - DNR <BruceD.Rheineck@wisconsin.gov>
Cc: Nessman, Martin D - DNR <Martin.Nessman@wisconsin.gov>; Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>; Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Subject: FW: City of Manitowoc request for meeting
Importance: High

Hi Liesa and Bruce –

The City of Manitowoc sent additional information yesterday, Sunday at 11:39 AM. The information is below and attachments...

“...Following are documents for Mondays meeting.

This will be a working meeting to determine what the best long term solution is for the issues that property owners are having. We will be discussing what the water quality issues are, possible solutions and what the best long term alternative will be.

Meeting will be held at City Hall in Manitowoc at 900 Quay Street. 2nd Floor Conference Room
Please email me with any questions. ...”

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Jim Kasdorf

Phone: (920) 387-7872

James.KasdorfJr@Wisconsin.gov

From: Rheineck, Bruce D - DNR

Sent: Friday, February 23, 2018 7:06 PM

To: Lehmann Kerler, Liesa K - DNR <Liesa.LehmannKerler@wisconsin.gov>

Cc: Elmore, Steve B - DNR <Steve.Elmore@wisconsin.gov>; Burton, Kyle - DNR <Kyle.Burton@wisconsin.gov>; Kasdorf, James H Jr - DNR <James.KasdorfJr@wisconsin.gov>; Nessman, Martin D - DNR <Martin.Nessman@wisconsin.gov>

Subject: FW: City of Manitowoc request for meeting

Importance: High

Liesa,

Jim Kasdorf called me this afternoon requesting support for a meeting request from the city of Manitowoc. The meeting request came yesterday for a meeting Monday February 26 to be held in Manitowoc, 11am -1pm.

The request relates to the Newton Landfill and the SWCDA established in the area. Private well owners in the area are complaining to the city of hardness, iron and salty taste (see Jim's email below).

Jim has concerns because of the short timeframe, past history, lack of specificity of the request (i.e., no agenda) and ensuring that the correct DNR staff are available to answer the city's questions. But he is also unclear exactly what the city's questions will be or where the discussion will lead.

The city may be willing to provide a call in number. I have put a meeting placeholder appointment in your calendar. I discussed with Steve and if you like you and Jim may want to take the call Monday. Of course if you feel it would be beneficial to have more time to pull together more information/resources, just let the city know.

Dave Johnson will pull together some background quality data for the area Monday morning.

Call me Monday morning on my work cell if you have questions.

Thanks,
Bruce

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Bruce D. Rheineck

Groundwater Section Chief – Bureau of Drinking Water and Groundwater
Wisconsin Department of Natural Resources

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Cell Phone: (608) 235-0489
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BruceD.Rheineck@wisconsin.gov



From: Kasdorf, James H Jr - DNR
Sent: Friday, February 23, 2018 2:59 PM
To: Rheineck, Bruce D - DNR <BruceD.Rheineck@wisconsin.gov>; Nessman, Martin D - DNR <Martin.Nessman@wisconsin.gov>
Subject: City of Manitowoc

Hi Bruce, the image below is a copy of the meeting invite for the City of Manitowoc.

Karen Dorow told me this afternoon that the city now has several complaints from residents who received new private wells and the purpose of this meeting is to discuss the appropriate private well water treatment options going forward. The city is looking for help (advice) going forward with the best long term treatment system recommendations. Thank you for your time this afternoon.

Karen Dorow City Manitowoc.620-662-5178

The complaints include poor water quality and the customers are very upset:

- Salty taste
- White marks on all fixtures, sinks, tubs, glassware, dishes, etc. and poor taste
- TDS: 2500-3000
- Iron 9.83-14.5
- Hardness 1588-1898
-

FW: Discussion on Water Quality at 4010 Thunder Ridge, 4005 Thunder Ridge and 2918 S 26th St.

File Meeting Tell me what you want to do

Delete No Response Required Respond Meeting Notes Calendar

Create an appoi... Move to: ? To Manager Move >
Team Email Done Reply & Delete Rules >
Create New Quick Steps Move

Thu 02/22/2018 5:50 PM

Kasdorf, James H Jr - DNR on behalf of Karen Dorow <kdorow@manitowoc.org>

FW: Discussion on Water Quality at 4010 Thunder Ridge, 4005 Thunder Ridge and 2918 S 26th St.

Required Chronert, Roxanne N - DNR; Beggs, Tauren R - DNR; Dan Koski; Marty Nessman (martin.nessman@wisconsin.gov); Greg Minikel; 'tom@groundsourcewi.com'; Kasdorf, James H Jr - DNR; 'John.Degeneffe@water-right.com'; 'ckorte@luisierplumbing.com'

As the meeting organizer, you do not need to respond to the meeting.

When Monday, February 26, 2018 11:00 AM-1:00 PM Location CH 2nd Floor Conf Room

-----Original Appointment-----

From: Karen Dorow [<mailto:kdorow@manitowoc.org>]

Sent: Thursday, February 22, 2018 9:42 AM

To: Karen Dorow; Dan Koski; Greg Minikel; Kathleen McDaniel; Dave Henderson; 'dluisier@luisierplumbing.com'; 'tom@groundsourcewi.com'; 'ckorte@luisierplumbing.com'

Subject: Discussion on Water Quality at 4010 Thunder Ridge, 4005 Thunder Ridge and 2918 S 26th St.

When: Monday, February 26, 2018 11:00 AM-1:00 PM (UTC-06:00) Central Time (US & Canada).

Where: CH 2nd Floor Conf Room

This will be a working meeting to determine what the best long term solution is for the issues that property owners are having. We will discuss various solutions and what the best long term alternative will be.

Meeting will be held at City Hall in Manitowoc at 900 Quay Street. 2nd Floor Conference Room

Please email me with any questions.

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Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jim Kasdorf

Private Water Supply Specialist – Drinking Water & Groundwater

Wisconsin Department of Natural Resources

N7725 Hwy 28, Horicon, WI 53032

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James.KasdorfJr@Wisconsin.gov

DRAFT - Table x
Replacement Potable Wells
Well Depth and Water Quality Summary
Former Newton Pit, Manitowoc Wisconsin

Address	Replacement Well Data From Driller's Well Construction Reports (all measurements approximate ± a foot or two)								Water Quality Information From Laboratory Reports		
	Ground Surface Elevation (ft MSL)	Depth to Bedrock (ft BGS)	Elevation of Top of Bedrock (ft MSL)	Cased Depth (ft BGS)	Cased Elevation (ft MSL)	Total Well Depth (ft BGS)	Well Bottom Elevation (ft MSL)	Length of Open Borehole in Bedrock (ft)	Fe (mg/L)	TDS (mg/L)	Hardness (mg/L)
3303 Hecker Road	691	118	573	280	411	303	388	23	28.9	2,003	1,374
3515 Hecker Road	691	110	581	277	414	300	391	23	1.22	2,156	1,504
3518 Hecker Road	697	115	582	250	447	282	415	32	7.01	2,064	1,448
3609 Hecker Road	696	131	565	290	406	300	396	10	5.08	2,264	1,591
3023 CTH CR	667	133	534	275	392	308	359	33	5.17	2,164	1,545
3120 CTH CR	683	121	562	279	404	305	378	26	4.82	1,966	1,309
3403 CTH CR	667	150	517	275	392	307	360	32	0.32 J	2,349	1,688
3504 CTH CR	680	168	512	278	402	320	360	42	12.9	2,330	1,380
4002 Thunder Ridge Road	686	171	515	319	367	420	266	101	14.5	2,450	1,753
4005 Thunder Ridge Road	688	180	508	320	368	420	268	100	9.83	2,706	1,873
4010 Thunder Ridge Road	687	178	509	320	367	400	287	80	9.77	2,658	1,588
2918 S 26th Street	654	125	529	300	354	400	254	100	14.5	3,007	1,898

Location	Avg Top of Bedrock Elev	Delta from Hecker - (ft) Lower	Approx Dist. From Hecker (ft)
At Hecker Rd	575	0	0
At CTH CR	531	44	2,500
At Thunder Rdg	511	65	3,500
At S 26th	529	46	8,000

4010 Thunder Ridge

Property Owner Complaints/Concerns:

- We would like to make you aware that the installed water softener due to the contaminated water is severely ruining all of our faucets, sinks, dishes, pots, pans, dishwasher and washer by leaving white residue and stains all over.
- The water smells awful and our house looks and smells awful
- We'll come home from work and the bathroom smells like an out house that hasn't been cleaned in a month, it's disgusting.
- We are concerned about the distance the well was drilled from the septic percolator; there was some concern about the distance being shorter than recommended but the engineer felt it wouldn't be a problem. Could this be a reason for the extremely smelly water?
- White stains are still prevalent and continue to stain the faucets, countertops, dishes, etc despite constantly wiping everything down.
- We cannot drink the water or cook in it due to the above reasons and it is extremely salty. We've kept the Culligan water service for these reasons and don't see an end in sight for this service.
- We are very concerned about the resale value of our house due to these issues and the potential of loss of income to us.

Treatment Equipment Installed

- Water Right water softener IM 1465 000 302 0000
- Water Right iron filter IMS 1354 0003 000 000

Photos

- Water and sediment we are getting in our master bathtub, this is unacceptable.



- Pots and pans, glassware & utensils



- Faucets & Sinks



- Appliances



4005 Thunder Ridge

Property Owner Complaints/Concerns:

- Salt tank had slushy stinky water at the bottom and we don't remember our other one doing that before we added salt
- Ongoing issues with white water spots on anything that gets wet/air dries like dishes, on the sinks and even white on all our faucets, like something is collecting. It's damaging the fixtures.
- Anywhere the water sits they get white spots. Anything left to drip dry gets white spots.
- Going through 8 bags of salt a month which they feel is way too much salt.
- The insides of their toilets are orange and their shower tile in the master bathroom still has orange that she cannot get off.
- Their dishwasher does not work like it used to.
- The water does not feel like it used to.
- Their house is not that old and it is ruining the fixtures.
- Worried about resale value of home with fixtures being ruined

Treatment Equipment Installed

- Water Right water softener IM 1465 000 302 0000
- Water Right iron filter IMS 1354 0003 000 000
- R/O filter replacement for existing reverse osmosis system

Photos

- Dishes



- Shower head



2918 S. 26th St.

Property Owner Complaints/Concerns:

- Before treatment equipment the water has a nasty smell and left orange stains all over everything. Iron filter has helped with the orange residue and odor
- Everything has calcium on it and it is rusting everything
- There is salt everywhere on everything. Something needs to be done about the salt residue.
- They can't cook with the water because it is too salty.
- They can taste the salt on their skin after taking a shower.
- This salt is in their clothes and ruining them.
- The salt is going to ruin their fixtures and their house.
- The reverse osmosis system is not providing them with enough treated water for drinking, cooking
- They can't use the salty water to water plants because it is killing them and she has about 120n plants to water

Treatment Equipment Installed

- Water Right water softener IM 1354 000 302 0000
- Water Right iron filter IMS 1354 0003 000 000
- Water Right Eclipse R. O. unit with carbon filter, R.O. membrane filter, sediment filter, polishing filter, and gallon storage tank WRO-35

Photos





