CITY OF MANITOWOC

WISCONSIN, USA
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November 22, 2016

Mr. & Mrs. Julee Thao
1104 N. 17th Street
Manitowoc, WI 54220

COPY

RE: 3318 Orchard Lane

Dear Mr. & Mrs. Thao:

The City has been conducting sampling of the private potable wells in the vicinity of the Former Newton Gravel Pit. Your private well was included in the sampling that took place on Monday, October 24, 2016.

The City is in receipt of the sample results for your property. The results confirm that water from your well does not indicate the presence of volatile organic compounds (VOCs). According to DNR guidelines the well water remains fit for consumption, and you can continue using it with no limitations. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Liz Heinen (920)993-7056
  WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920)662-5178
  WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
  Wisconsin Department of Health Services

Again, we very much appreciate your concern while we gather data in order to ensure the best possible solution to the water quality issue. If you have any questions in the meantime, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

, P.E.

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968E
Sample ID 3318 ORCHARD
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/26/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		10/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		10/26/2016	CJR	1
SUR - Dibromofluoromethane	91	REC %			1	8260B		10/26/2016	CJR	1

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968E
Sample ID 3318 ORCHARD
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Toluene-d8	101	REC %			1	8260B		10/26/2016	CJR	1

CITY OF MANITOWOC

WISCONSIN, USA

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November 22, 2016

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Priority IAC, Inc.
Ms. Cindy Bruenig
3504 CTH CR
Manitowoc, WI 54220

Dear Ms. Bruenig:

Thank you for your patience during the installation of your new potable well. Connections to Priority IAC, Inc. were completed on October 20, 2016 and your new well was sampled on October 24, 2016.

The City is in receipt of the sample results for your property. We are pleased to inform you that the results confirm that water from your new well does not indicate the presence of volatile organic compounds (VOCs). According to DNR guidelines the well water is fit for consumption, and you can use it with no limitations. As of November 30, 2016 the City will no longer provide Water Care service. Water Care will be contacting you regarding continuation of service. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Liz Heinen (920) 993-7056
  WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920) 662-5178
  WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
  WDNR, Remediation & Redevelopment

Again, we very much appreciate your concern while we gather data in order to ensure the best possible solution to the water quality issue. If you have any questions in the meantime, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

, P.E.

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968D
Sample ID 3504 CTH CR
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/26/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/26/2016	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		10/26/2016	CJR	1
SUR - Dibromofluoromethane	86	REC %			1	8260B		10/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		10/26/2016	CJR	1

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968D
Sample ID 3504 CTH CR
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		10/26/2016	CJR	1

CITY OF MANITOWOC

WISCONSIN, USA
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November 22, 2016

Mr. & Mrs. Patrick Weier
4005 Thunder Ridge Rd.
Manitowoc, WI 54220

Dear Mr. & Mrs. Weier:

The City has been conducting sampling of the private potable wells in the vicinity of the Former Newton Gravel Pit. A confirmation sample for your private well took place on Monday, October 24, 2016.

The City is in receipt of the sample results for your property. The results do not confirm the presence of VOC's above Enforcement Standards. The results show the presence of cis-1,2-dichloroethene, detected by the laboratory at levels below the drinking water standard of 70 micrograms per liter (ug/l). We recommend you continue to use the bottled water we have supplied you for drinking and cooking. Another confirmation sample was taken on November 8, 2016. Results from this test have not yet been received. A copy of your October 24, 2016 laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Liz Heinen (920)993-7056
  WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920)662-5178
  WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
  WDNR, Remediation & Redevelopment

Again, we very much appreciate your concern while we gather data in order to ensure the best possible solution to the water quality issue. If you have any questions in the meantime, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

, P.E.

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968C
Sample ID 4005 THUNDER
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
cis-1,2-Dichloroethene	1.1 "J"	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/26/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		10/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		10/26/2016	CJR	1
SUR - Dibromofluoromethane	85	REC %			1	8260B		10/26/2016	CJR	1

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968C
Sample ID 4005 THUNDER
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Toluene-d8	103	REC %			1	8260B		10/26/2016	CJR	1

CITY OF MANITOWOC

WISCONSIN, USA
www.manitowoc.org

November 22, 2016

COPY

Mr. & Mrs. Matthew Gentile Revoc Trust
4010 Thunder Ridge Rd.
Manitowoc, WI 54220

Dear Mr. & Mrs. Gentile:

The City has been conducting sampling of the private potable wells in the vicinity of the Former Newton Gravel Pit. A confirmation sample for your private well took place on Monday, October 24, 2016.

The City is in receipt of the sample results for your property. The results confirm the presence of VOC's above Enforcement Standards. The results also show the presence of cis-1,2-dichloroethene, detected by the laboratory at levels below the drinking water standard of 70 micrograms per liter (ug/l). We recommend you continue to use the bottled water we have supplied you for drinking and cooking. According to DNR guidelines, your well water is fit for showering, laundry, and all purposes other than drinking water or food preparation. The state Department of Health Services suggests that you open a window or use a bathroom fan to increase ventilation while doing laundry or showering to further reduce your exposure. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Liz Heinen (920)993-7056
  WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920)662-5178
  WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
  WDNR, Remediation & Redevelopment

Again, we very much appreciate your concern while we gather data in order to ensure the best possible solution to the water quality issue. If you have any questions in the meantime, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

, P.E.

Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968B
Sample ID 4010 THUNDER
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/26/2016	CJR	1
cis-1,2-Dichloroethene	1.42	ug/l	0.45	1.4	1	8260B		10/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/26/2016	CJR	1
Vinyl Chloride	0.20 "J"	ug/l	0.17	0.54	1	8260B		10/26/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/26/2016	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		10/26/2016	CJR	1
SUR - Dibromofluoromethane	89	REC %			1	8260B		10/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		10/26/2016	CJR	1

Project Name NEWTON PIT **Invoice #** E31968
Project #

Lab Code 5031968B
Sample ID 4010 THUNDER
Sample Matrix Water
Sample Date 10/24/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		10/26/2016	CJR	1

CITY OF MANITOWOC

WISCONSIN, USA
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November 22, 2016

Mr. & Mrs. Jonathan Hanson
3902 Silver Creek Road
Manitowoc, WI 54220

Dear Mr. & Mrs. Hanson:

The City of Manitowoc is monitoring the drinking water well at your property as part of our monitoring of contaminated potable wells in the area. Enclosed are the results from the most recent testing that took place on Monday, October 10, 2016, which was arranged with the prior owners.

The results confirm that water from your well does not indicate the presence of volatile organic compounds (VOCs). According to DNR guidelines the well water remains fit for consumption, and you can continue using it with no limitations. A copy of your laboratory analytical results is attached.

If you have any questions please feel free to call us or the WDNR contacts listed below:

- Well water/sample results: Liz Heinen (920) 993-7056
  WDNR, Drinking & Groundwater
- Investigation/future activities: Tauren Beggs (920) 662-5178
  WDNR, Remediation & Redevelopment
- Health Questions: Adam Streiffer (608) 266-9337
  WDNR, Remediation & Redevelopment

Again, we very much appreciate your patience as we work to ensure the best possible solution to the water quality issue. If you have any questions in the meantime, please do not hesitate to call Kathleen McDaniel at 686-6990.

Sincerely,

Kathleen McDaniel
City Attorney
City of Manitowoc

, P.E.
Dan Koski, P.E.
Director of Public Infrastructure
City of Manitowoc

Attachment: Laboratory Data

Synergy Environmental Lab, LLC

DAVE HENDERSON
AECOM
1555 N RIVERCENTER DRIVE
MILWAUKEE, WI 53212

Project # 60135471
Project Name NEWTON GRAVEL PIT
Invoice # E31870

Report Date *19-Oct-16*

Analyte	Result	Units	LOD	LOQ	Dil	Ext Date	Run Date	Method	Analyst	QC Code
Lab Code 5031870C							**Sample Type** Water			
Sample ID 3902 SILVER CREE							**Sample Date** 10/10/2016			
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1		10/17/2016	8260B	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1		10/17/2016	8260B	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1		10/17/2016	8260B	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1		10/17/2016	8260B	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1		10/17/2016	8260B	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1		10/17/2016	8260B	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1		10/17/2016	8260B	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1		10/17/2016	8260B	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1		10/17/2016	8260B	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1		10/17/2016	8260B	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1		10/17/2016	8260B	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1		10/17/2016	8260B	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1		10/17/2016	8260B	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1		10/17/2016	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1		10/17/2016	8260B	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1		10/17/2016	8260B	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1		10/17/2016	8260B	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1		10/17/2016	8260B	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1		10/17/2016	8260B	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1		10/17/2016	8260B	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1		10/17/2016	8260B	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1		10/17/2016	8260B	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1		10/17/2016	8260B	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1		10/17/2016	8260B	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1		10/17/2016	8260B	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1		10/17/2016	8260B	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1		10/17/2016	8260B	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1		10/17/2016	8260B	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1		10/17/2016	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1		10/17/2016	8260B	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1		10/17/2016	8260B	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1		10/17/2016	8260B	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1		10/17/2016	8260B	CJR	1

Synergy Environmental Lab, LLC

DAVE HENDERSON
AECOM
1555 N RIVERCENTER DRIVE
MILWAUKEE, WI 53212

Project # 60135471
Project Name NEWTON GRAVEL PIT
Invoice # E31870

Report Date *19-Oct-16*

Analyte	Result	Units	LOD	LOQ	Dil	Ext Date	Run Date	Method	Analyst	QC Code
Lab Code 5031870C						**Sample Type** Water				
Sample ID 3902 SILVER CREE						**Sample Date** 10/10/2016				
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1		10/17/2016	8260B	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1		10/17/2016	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1		10/17/2016	8260B	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1		10/17/2016	8260B	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1		10/17/2016	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1		10/17/2016	8260B	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1		10/17/2016	8260B	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1		10/17/2016	8260B	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1		10/17/2016	8260B	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1		10/17/2016	8260B	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1		10/17/2016	8260B	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1		10/17/2016	8260B	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1		10/17/2016	8260B	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1		10/17/2016	8260B	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1		10/17/2016	8260B	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1		10/17/2016	8260B	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1		10/17/2016	8260B	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1		10/17/2016	8260B	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1		10/17/2016	8260B	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1		10/17/2016	8260B	CJR	1
SUR - Toluene-d8	96	REC %			1		10/17/2016	8260B	CJR	1
SUR - Dibromofluoromethane	104	REC %			1		10/17/2016	8260B	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1		10/17/2016	8260B	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1		10/17/2016	8260B	CJR	1

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature