

Keenan, Gina N - DNR

From: Ron Anderson <rona@metcohq.com>
Sent: Thursday, January 31, 2019 2:23 PM
To: David Haupt; Don Tieman
Cc: Keenan, Gina N - DNR; Jason Powell
Subject: RE: Don Tieman's well replacement

Thanks for the email David...

We needed those original costs for the purpose of giving an estimate to the DNR. If, based on the feedback you have received since from the DNR that your quote needs to be modified, please send us a new quote as soon as possible.

Thanks!! Ron

Ron Anderson PG

METCO - Senior Hydrogeologist
rona@metcohq.com / 608.781.8879
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From: David Haupt <dlhaupt@plbb.us>
Sent: Thursday, January 31, 2019 12:09 PM
To: Don Tieman <donsgeneralrepair@tds.net>
Cc: Ron Anderson <rona@metcohq.com>; David L Haupt <David@hauptwell.com>; Keenan, Gina N - DNR <gina.keenan@wisconsin.gov>; Jason Powell <jasonp@metcohq.com>
Subject: Re: Don Tieman's well replacement

Don,

What I sent to you was an estimate, as stated in the first sentence, not a quote. When we and I looked the property over I recall we concluded that the logical place for the well would be on the north end of the building. If you want the well outback on the west side we would want to revisit the site before agreeing to that site. Adequate working room is a necessity. As to timing, this is not the season to tackle this.

From: "Don Tieman" <donsgeneralrepair@tds.net>
To: "Ron Anderson" <rona@metcohq.com>
Cc: "David L Haupt" <David@hauptwell.com>, "Keenan, Gina N - DNR" <gina.keenan@wisconsin.gov>, "Jason Powell" <jasonp@metcohq.com>
Sent: Wednesday, January 30, 2019 10:10:06 AM
Subject: Re: Don Tieman's well replacement

Good morning Ron,David,Gina: The area circled in blue on photo is very near one of the wells to be abandoned. the area is mostly clear anything in the way can be moved within a day or two. I don't know anything about well drilling, if this is some thing that can be done before summer or not. I will keep in mind to get the area for new well and old wells cleared out. Thank You all for your help in this.; Don Tieman

From: "Ron Anderson" <rona@metcohq.com>
To: "Don Tieman" <dongeneralrepair@tds.net>, "David Haupt" <David@hauptwell.com>
Cc: "DNR - Gina Keenan (gina.keenan@wisconsin.gov)" <gina.keenan@wisconsin.gov>, "Jason Powell" <jasonp@metcohq.com>
Sent: Wednesday, January 30, 2019 8:59:42 AM
Subject: FW: Don Tieman's well replacement

Good morning Don and David...

Below is an email from Gina Keenan of the DNR concerning the private well installation. Please contact her if you have any questions concerning the well installation or well abandonments.

David, I have attached a copy of the quote that you gave Don. Does the info below from Gina K. affect these costs at all? If not, then can you give us a tentative date of when you would like to do the well installation and well abandonments. The earlier the better...weather depending obviously.

Thanks!! Ron

Ron Anderson PG

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From: Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>
Sent: Tuesday, January 29, 2019 2:22 PM
To: Ron Anderson <rona@metcohq.com>
Subject: Don Tieman's well replacement

Ron,

See below for the recommended location for this well. I assume the area selected is relatively clean and car free?

As for the construction of the well, Stacy recommended that it be constructed similar to Arlene's replacement well. It should be cased and grouted to granite; between 107 to 120 feet bgs.

Email or call with any questions.

Thanks.



<https://www.google.com/maps/d/viewer?mid=190tcmScB4uwa6yHOxEN0zRTIIX4pTyyg&ll=44.732662471375384%2C-90.72069082822395&z=20>

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David L. Haupt, MGWC
Haupt Well & Pump Co., Inc.
5508 Main Street
Auburndale, WI 54412
www.hauptwell.com
715 652 2711

Keenan, Gina N - DNR

From: Steinke, Stacy J - DNR
Sent: Monday, January 28, 2019 3:33 PM
To: Keenan, Gina N - DNR
Subject: RE: Don Tieman potable well-Willard Wisconsin

As for this situation, yes, we would require the filling and sealing of this well per code. I can send a letter if it gets to that point. However, the filling and sealing of unused wells has been pushed to a lower enforcement priority and we typically only send one letter now and maybe a follow-up, but rarely do we bring someone in to an enforcement conference over an unused well. So... if you have someone who is stubborn and is just going to dig their feet in when they get letters, it might be best to try a different route.

I always think it is a good idea to check and see if someone is eligible for our grant program too because that may provide some incentive: <https://dnr.wi.gov/Aid/WellAbandonment.html>. There are also usually county funds available for filling and sealing so it may be a good idea to get in touch with Clark county when you get near that point.

Good luck and let me know if I can help more!

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

Stacy J. Steinke

Phone: (715) 225-2852

stacyj.steinke@wisconsin.gov

From: Keenan, Gina N - DNR
Sent: Friday, January 25, 2019 1:09 PM
To: Steinke, Stacy J - DNR <StacyJ.Steinke@wisconsin.gov>
Subject: RE: Don Tieman potable well-Willard Wisconsin

I know how it goes. Thanks for the update!

Another question; we have another site in Willard (Artac) where there is another contaminated potable well that has benzene in it. In this situation, the potable well has not been used for 7 years. Our closure committee is requiring the abandonment of this well as a condition of closure, however, PECFA may not cover the costs of the abandonment due to the well being a non-compliant well. What is your perspective on this situation? Would Water Supply ask for the abandonment of this well? Would they consider it a high enough priority to enforce complete enforcement on them if they choose not to abandon the well? Just feeling out the situation right now.

Thanks again.

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

Gina Keenan

Phone: (715) 839-3765

gina.keenan@wisconsin.gov

From: Steinke, Stacy J - DNR
Sent: Friday, January 25, 2019 12:49 PM
To: Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>
Subject: RE: Don Tieman potable well-Willard Wisconsin

Gina-

I'm not ignoring you! I was in Madison for an all-day meeting yesterday and I've been off a bunch this week dealing with sick kids 😞. I'll give you a call early next week and get you as much information on this as I can.

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

Stacy J. Steinke

Phone: (715) 225-2852

stacyj.steinke@wisconsin.gov

From: Keenan, Gina N - DNR
Sent: Tuesday, January 22, 2019 3:15 PM
To: Steinke, Stacy J - DNR <StacyJ.Steinke@wisconsin.gov>
Subject: Don Tieman potable well-Willard Wisconsin

Stacy,

I had emailed (or talked to you?) about this site in November or December of 2018. To refresh your memory, the Don Tieman well was found to be contaminated with petroleum volatile organics. The address at the Tieman site is N8649 Cty Rd G, Willard, WI. I sent you a map showing the location of Don's property. There are actually two wells on the property; only the well they are using for the garage is being used. The former Arlene's Inn (south of Don's) is replacing the Don's well. Contamination was originally found at Arlene's and they replaced their well in the early 2000's. Do you have any recommendations of well depth, well placement, etc? Any more info you need?

Thanks.

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Gina Keenan

Hydrogeologist-Remediation & Redevelopment

Wisconsin Department of Natural Resources

Phone: 715-839-3765

gina.keenan@wisconsin.gov



Keenan, Gina N - DNR

From: Steinke, Stacy J - DNR
Sent: Monday, January 28, 2019 3:06 PM
To: Keenan, Gina N - DNR
Subject: RE: Don Tieman potable well-Willard Wisconsin

Gina-

I made a [map of some with the WCR's](#) that I could easily identify a location for. Based on this and the history of contamination, I would say that any new well drilled near the contamination should be drilled much like the replacement well for Arlene's was in 2002 – Cased and grouted into granite which should be found between 107 and 120 feet bgs. The sandstone above the granite must have some significant clay layers because their presence is noted on several of the well construction reports – these could be holding the contamination at a specific level and currently the only thing allowing the contamination to seep deeper into the aquifer may be the existing older wells so getting those filled and sealed is very important to protect the lower aquifer. I would also take the location of the existing well into consideration when placing the new well – typically folks like to drill near the old well because the water lines are already buried there. In this case, however, I would suggest getting away from the older well because it is 97 feet deep in the sandstone which is just above the granite aquifer. If there did happen to be a local fracture in the granite, it could have allowed some vertical migration of the contamination depending on how the specific VOCs found move in groundwater.

A new well drilled into granite will likely be a low producing well (5 gmp or less) but if the sample results for the replacement well at Arlene's have shown safe water, then I would expect it to work at Don's too.

Let me know if this helps, or if you would like some additional information and stay warm this week!

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Stacy J. Steinke

Phone: (715) 225-2852

stacyj.steinke@wisconsin.gov

From: Keenan, Gina N - DNR
Sent: Tuesday, January 22, 2019 3:15 PM
To: Steinke, Stacy J - DNR <StacyJ.Steinke@wisconsin.gov>
Subject: Don Tieman potable well-Willard Wisconsin

Stacy,

I had emailed (or talked to you?) about this site in November or December of 2018. To refresh your memory, the Don Tieman well was found to be contaminated with petroleum volatile organics. The address at the Tieman site is N8649 Cty Rd G, Willard, WI. I sent you a map showing the location of Don's property. There are actually two wells on the property; only the well they are using for the garage is being used. The former Arlene's Inn (south of Don's) is replacing the Don's well. Contamination was originally found at Arlene's and they replaced their well in the early 2000's. Do you have any recommendations of well depth, well placement, etc? Any more info you need?

Thanks.

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Gina Keenan

Hydrogeologist-Remediation & Redevelopment

Wisconsin Department of Natural Resources

Phone: 715-839-3765

gina.keenan@wisconsin.gov



dnr.wi.gov



Keenan, Gina N - DNR

From: Don Tieman <donsgeneralrepair@tds.net>
Sent: Wednesday, January 9, 2019 12:36 PM
To: Ron Anderson
Cc: David Haupt; Keenan, Gina N - DNR; Haupt, David; Jason Powell
Subject: Re: Arlenes Inn in Willard

Just to let you all know I am getting these emails. To answer what I know 2 of the wells to be abandoned are behind the shop building and 2 are inside. When David was here we discussed things would have to be moved to get access to old wells, I moved some of it. I also would like to know when this may start and where the new well would go so I can continue to do what I can on my end. Thank you ;;Don Tieman

From: "Ron Anderson" <rona@metcohq.com>
To: "David Haupt" <dlhaupt@plbb.us>
Cc: "Gina N Keenan - DNR" <Gina.Keenan@wisconsin.gov>, "Don Tieman" <donsgeneralrepair@tds.net>, "David Haupt" <David@hauptwell.com>, "Jason Powell" <jasonp@metcohq.com>
Sent: Monday, January 7, 2019 1:15:25 PM
Subject: RE: Arlenes Inn in Willard

Whoops...Meant you gave Don Tieman a quote....Sorry about that!!

Ron Anderson PG

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From: Ron Anderson
Sent: Monday, January 7, 2019 1:12 PM
To: 'David Haupt' <dlhaupt@plbb.us>
Cc: Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>; Don Tieman <donsgeneralrepair@tds.net>; David Haupt <David@hauptwell.com>; Jason Powell <jasonp@metcohq.com>
Subject: RE: Arlenes Inn in Willard

Thanks for the response David...

You also gave David Haupt a quote (see attachment). This estimate was used to get costs approved for a state fund called PECFA....for the new private well and well abandonments. Thus, why you were included on the email.

Once we hear back from the WDNR Water Specialist per the email below from Gina Keenan of the WDNR, we can start planning the project.

Ron

Ron Anderson PG

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From: David Haupt <dlhaupt@plbb.us>
Sent: Monday, January 7, 2019 1:02 PM
To: Ron Anderson <rona@metcohq.com>
Cc: Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>; Don Tieman <donsgeneralrepair@tds.net>; David Haupt <David@hauptwell.com>; Jason Powell <jasonp@metcohq.com>
Subject: Re: Arlenes Inn in Willard

After I hit send, I noted Don Tieman's name associated with this topic and recall visiting with him quite some time ago and tentatively discussed putting a replacement well on his property but that was the extent of my involvement so far.

From: "David Haupt" <dlhaupt@plbb.us>
To: "Ron Anderson" <rona@metcohq.com>
Cc: "Keenan, Gina N - DNR" <Gina.Keenan@wisconsin.gov>, "Don Tieman" <donsgeneralrepair@tds.net>, "David Haupt" <David@hauptwell.com>, "Jason Powell" <jasonp@metcohq.com>
Sent: Monday, January 7, 2019 12:55:30 PM
Subject: Re: Arlenes Inn in Willard

Ron,

Did I miss some previous correspondence in this regard or is this the first?

As to question 1 thru 4: This would require a site visit and some investigation. Scheduling would be done after a site visit and after all pertinent questions are answered.

From: "Ron Anderson" <rona@metcohq.com>
To: "Keenan, Gina N - DNR" <Gina.Keenan@wisconsin.gov>, "Don Tieman" <donsgeneralrepair@tds.net>, "David Haupt" <David@hauptwell.com>
Cc: "Jason Powell" <jasonp@metcohq.com>
Sent: Monday, January 7, 2019 8:05:27 AM
Subject: RE: Arlenes Inn in Willard

Sounds good...Thanks!! Ron

Ron Anderson PG

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From: Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>
Sent: Monday, January 7, 2019 7:45 AM
To: Ron Anderson <rona@metcohq.com>; Don Tieman <dongeneralrepair@tds.net>; Haupt, David <David@hauptwell.com>
Cc: Jason Powell <jasonp@metcohq.com>
Subject: RE: Arlenes Inn in Willard

Ron,

I will talk to our Water Supply specialist and get back to you on location, depths, etc. If anything else that needs to be planned for comes up, I will get back to you on that also.

Thanks.

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Gina Keenan
Phone: (715) 839-3765
gina.keenan@wisconsin.gov

From: Ron Anderson <rona@metcohq.com>
Sent: Thursday, January 3, 2019 12:57 PM
To: Don Tieman <dongeneralrepair@tds.net>; Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>; Haupt, David <David@hauptwell.com>
Cc: Jason Powell <jasonp@metcohq.com>
Subject: Arlenes Inn in Willard

Good afternoon Don, David, and Gina...

We are ready to move ahead with installation of the private well and abandonment of the four private wells. However, I had several questions as follows:

- 1) Don and David...Do you know exactly where the four private wells to be abandoned are located?
- 2) Don and David...Do you have an idea of where you would like to locate the new private well?
- 3) Don and David...Do you have an idea of when you would want to do the installation and abandonment work?
- 4) Gina...Do you (DNR) have a preference of where you would like the new private well located...or not located? Can you please discuss this with your local DNR Private Well person on any input they may want to have on location/installation and have them contact all of us....or at least forward my email to them.
- 5) To all...Is there anything else that needs to be done or decided before scheduling the work?

Thanks!! Ron

Ron Anderson PG
METCO - Senior Hydrogeologist

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Haupt Well & Pump Co., Inc.

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7-31-18

Donald Tieman
N8649 CTH G
Willard, WI 54494

Estimate: 4 well abandonments, 1 new well and 1 pump installation.

Dear Mr. Tieman,

There are unknowns therefore this is an estimate. I searched for old well records without finding. As discussed, the existing wells need to be accessible to abandon them and the site chosen for the new well must also be accessible.

Abandonment: Preparation, road time, remove pumps, fill well, report abandonment estimate is \$1750 per well times 4 wells, \$7000.

New well: Depth anticipated near 300 ft. with 120 ft. of casing anticipated est. \$10,600. If the well does not produce enough water for your needs, fracking would raise the well estimate to \$12,900.

This pump installation is expected to cost between \$4,000 and \$6,000.

SUMMARY:

Abandonments	\$7000
New well	\$12,900
Pump install	\$6,000
TOTAL	= \$25,900

If there are questions, let me know.

Yours truly,

David L. Haupt



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David L. Haupt, MGWC