Mitchell, Brian

From: Mitchell, Brian
Sent: Thursday, February 07, 2019 11:38 AM
To: Wilken, Keith
Cc: Jefferson Water Plant; Dan Cook; Amie Davidson
Subject: RE: City of Jefferson CIS 1,2 Dichloroethylene

Can you get me any muni well logs? I am also interested in the two muni wells north of the city too.

The reason I say this is because we tried to take down-gradient GW samples from the former Electrolux site via DPT that showed nothing but we could not push down as far as we wanted and secondly, we installed a couple of roto-sonic drilled/completed wells down-gradient in the same areas as well and did not find anything. Would like to compare logging data.

Also, can you list any other former or operating facilities that may be responsible for the muni well contamination?

Brian Mitchell
RCRA Corrective Action Officer
EPA Region 7
AWMD/WRAP
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11201 Renner Blvd
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RCRA 2/7/2019
580437

From: Wilken, Keith <keith.wilken@dnr.iowa.gov>
Sent: Wednesday, February 06, 2019 9:12 AM
To: Mitchell, Brian <Mitchell.Brian@epa.gov>
Cc: Jefferson Water Plant <jeffwaterplant@hotmail.com>; Dan Cook <dan.cook@dnr.iowa.gov>; Amie Davidson <amie.davidson@dnr.iowa.gov>
Subject: Re: City of Jefferson CIS 1,2 Dichloroethylene

Brian,

According to the information I obtained from our website https://programs.iowadnr.gov/sourcewater/SystemDetail.aspx?pwsid=3742004

Well #4 - Total depth of ~150 feet. The bottom 30 feet is screened.
Well #6 - Total depth of 160 feet. 15' of screen from approximately 142' to 157'.

Well #9 - Total depth of 159 feet. I couldn't find any information on the screen.

The City of Jefferson and the DNR's Contaminated Sites Section are copied on this e-mail in case they have additional information regarding the wells.

Keith

On Wed, Feb 6, 2019 at 9:01 AM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

How deep are the wells? Screened at what depth intervals?

Brian Mitchell

RCRA Corrective Action Officer

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From: Wilken, Keith <keith.wilken@dnr.iowa.gov>
Sent: Wednesday, February 06, 2019 8:01 AM

To: Mitchell, Brian <Mitchell.Brian@epa.gov>
Cc: Jefferson Water Plant <jeffwaterplant@hotmail.com>
Subject: Re: City of Jefferson CIS 1,2 Dichloroethylene

Those are the 2 year, 5 year, and 10 year capture zones for the wells. The Geological Survey Bureau has estimated how far the wells will pull water from within 2 years, 5 years, and 10 years.

On Tue, Feb 5, 2019 at 9:37 AM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

What are the completion zones for Muni Wells 4, 6, 9, and 10?

Brian Mitchell

RCRA Corrective Action Officer

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From: Wilken, Keith <keith.wilken@dnr.iowa.gov>
Sent: Friday, February 01, 2019 2:26 PM
To: Mitchell, Brian <Mitchell.Brian@epa.gov>
Cc: Jefferson Water Plant <jeffwaterplant@hotmail.com>
Subject: City of Jefferson CIS 1,2 Dichloroethylene

Brian,

Good afternoon. Thank you for the telephone conversation this afternoon.

I have attached an aerial photograph from Jefferson's Phase II Source Water Protection Plan. This photograph depicts the locations of the 4 town wells in Jefferson.

The most recent sampling results from the wells were on 6/7/2017.

Well #4 yielded 0.00725 mg/L

Well #6 yielded 0.00092 mg/L

Well #9 yielded 0.0177 mg/L

Well #10 was <0.0005 mg/L

The most recent finished water (as the water leaves the treatment plant) sampling results are;

0.00131 mg/L on 12/4/2017

0.00163 mg/L on 4/2/2018

0.00147 mg/L on 10/9/2018

It would be greatly appreciated if you could keep us updated on the status of your investigation. Do not hesitate to let either myself or the City of Jefferson know if you need anything further.

Keith

---------- Forwarded message ---------
From: <DNRATLPRN02@iowa.gov>
Date: Fri, Feb 1, 2019 at 2:13 PM
Subject: Message from "DNRATLPRN02"
To: Keith Wilken <keith.wilken@dnr.iowa.gov>

This E-mail was sent from "DNRATLPRN02" (MP C4504ex).

Scan Date: 02.01.2019 14:11:08 (-0600)
Queries to: DNRATLPRN02@iowa.gov

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