

CITY OF MANITOWOC/DNR CONFERENCE CALL MINUTES December 3, 2014

Present: D. Koski, K. McDaniel, G. Minikel, K. Dorow – City
D. Henderson and J. Maletzke – AECOM
T. Beggs – DNR; via phone – L. Heinen – DNR

Goals of the meeting:

- Update current water monitoring potable and groundwater
- Discussion about public meeting
- Public meeting update - who's responsible for what

1. Potable Well Update

A. Well Drilling Status

- All wells have been completed except 3504 CTH CR. City is continuing to work on an agreement with Priority IAC - Landscape restoration, well placement and warrantee are being discussed. This property is a business and they previously had Water Care set up so they had been drinking bottled water before initial testing was done. City will work with them to reduce impact to business - ie blocking driveway.
- Iron filters & water softeners are being installed as needed to properties affected.

B. 3rd Quarter Potable Well Sampling Results

- Dave showed a map of the area with blue dots showing potable well locations 3rd Quarter and exceedances.
 - 3303 Hecker Rd - cis at this property is gone in Q3.
 - 4111 Thunder Ridge - cis at this property is gone in Q3. (This was not discussed at the meeting. K Dorow added).
- New discoveries are all along the north end of CTH CR and east of CTH CR along Viebahn
- 2717 CTH CR (4141 Viebahn) vinyl chloride above standard in 2nd quarter. 3rd Quarter testing expanded the data gap east along Viebahn. There are eight (including 2717 CTH CR) with new VCs detections above standard in Q3 - 2734 CTH CR, 2916 CTH CR, 4101 Viebahn, 4025 Viebahn, 3815 Viebahn, 3701 Viebahn, 3621/3617 Viebahn.
- 8 new detects to the North. We think we are defined to the East. Properties East of 3621 Viebahn are all within the City limits.
- The Southeast end of the area we are at the delineation.
- L. Heinen agreed that we are at the limits of our potable well testing.
- D. Henderson will get reports done and out to everyone.

2. GW Monitoring Update.

- J. Maletzke gave an update on groundwater flow.
 - In November we did an annual on-site monitoring well sampling including the 15 new wells.

- The results are consistent with what we have seen in other reports. The water table divide is just east of Silver Creek by the oxbow.
- Flow is not surprising and he feels comfortable with it. WT20 is where the flow divide is back to the North. Velocity (travel time) is a function of gradient and the material it is going through. Velocity is estimated at 50 feet a year based on a shallow flow system. Velocity is similar along the two flow lines. D. Koski asked if that was what had been calculated before? J. Maletzke stated it was in the range but variable with gradient.
- New piezometers installed in the new well nests gave extra control points and provided better information.
- Right above bedrock consistently hit clay and till material. Estimating 1/10th of a foot a year for velocity.
- Bedrock - general picture is an easterly flow. Approximately seven feet a year. That does not account for fracture flow.
- T. Beggs asked where it enters bedrock. D. Henderson showed draft of map showing a hit in bedrock just Northwest of 3518 Hecker Road at WT25.
- Contaminant levels...3 new nests of wells. WT 26 by gravel pit driveway - whole nest is clean. There was a minor hit of toluene just above bedrock.
- The potable well at 3303 Hecker fluctuated. This defined that our plume does not go NE. Delineated east and north.
- WT 16 and WT 12 - new source at WT 16? Flowing west to the creek in the near surface. Possible source at WT 16?
- Groundwater flow southeast down to bedrock - bedrock east. Regional east/southeast from our source area.
- Contamination into bedrock just west of 3518 Hecker.
- J. Maletzke showed a substrate map showing depth of wells and showing assumed water flow. Everything southeast of the gravel pit could potentially be from our plume.
- CTH CR – Schnuelle, Shoop, Eberhardt and Foerster are a mile away. The general feel was that we don't think we can get there at 50 feet of clay. Having a difficult time getting travel time to these wells. It is unlikely that water would flow up from bedrock.
- There was a discussion about 2734 CTH CR being a potential second source. There is a strong feeling that there is a second source to the north.
- T. Beggs stated that junkyards are not traditionally a source of chlorinated solvents.
- K. McDaniel gave an update on information known about the property.
- T. Beggs recommended taking a look to the North and Northwest to see where it could be coming from. Generally they would not look at junkyard for contamination.
- D. Koski asked T. Beggs if there is a good potential that we are not responsible for the contamination on Viebahn, should we be the ones to investigate?
- T. Beggs stated there are many variables in bedrock that can affect flow time and direction.
- T. Beggs stated that there is a potential responsible party letter 104E information letter that could be sent to those recipients that we have an assumption that there could be hazardous waste on property. He recommended the 104E letter because it is more specific and asks specific

questions. T. Beggs supplied samples of letters used in the past by EPA and DNR to K. McDaniel during the meeting. Potential properties could be 5202 Silver Creek Road, 3320 Hecker Road and 2734 CTH CR properties. T. Beggs will have to take it back to his superiors to see where we can go from here. Who should send out the letters? - City or WDNR. T. Beggs stated we would talk about it at the next monthly meeting.

- K. McDaniel made it clear that we are not trying to shirk our portion of responsibility. We would like to have an investigation of other potential responsible parties.
- Tone for Open House - Northern affected properties - how do we answer their questions?

3. Reports -

Q1, Q2 and Silver Creek reports have been issued.

Q3 report is being worked on and scheduled to be complete shortly.

GW Monitoring report – Is being worked on and will be a while.

4. Town Hall Meeting

a. Schedule

- i. Arrive 8:30 a.m. for set up - All present on this call plus L. Evens – State Health and Jessica or Amy from the County Health Department.

- b. Expect to have T. Roberts and his attorney and J. Mancheski and possibly attorney asking questions about their ground water results. When responding to questions – We are finalizing and interpreting results. There was contamination detected but we are interpreting data. Let them know we would be happy to set up a meeting to sit down and talk with them.

- c. Media 9:30 a.m.

- d. Public 10:00 a.m.

- e. K. McDaniel will follow up with Ed Downing.

- f. AECOM will have two cross sections to show, site features, Silver Creek sampling, all potable wells sampled. (Approximately 100 potable wells sampled to date.)

- g. Copies of handouts - 170

- h. D. Henderson will provide K. Dorow a new map for the comment card.

- i. Email all info to everyone by Friday. T. Beggs will bring copies of talking points. L. Heinen will bring voc and drinking water flyers and list of labs, suggested testing for private wells and brochures on well abandonment.

- j. D. Henderson, J. Maletzke and T. Beggs will bring stands.

- k. Power Point presentation will be run as a PDF.

- l. K. McDaniel will bring repository of reports.

- m. K. Dorow will arrange for beverages (Kwik Trip Coffee, OJ and creamer) and treats.

- n. T. Beggs will bring kid activity stuff and comment box.

- o. Be aware and don't let any reports leave the building.

- p. T. Beggs discussed the following

- i. Focus on three main points only.

- ii. Don't bring up any specifics regarding other responsible parties.

- iii. We will continue monitoring.

- iv. Expanded sampling – There is no plan at this time for expanded sampling. We are at the limits for potable well sampling.

- v. Moving forward with remedial action – We are still addressing remedial action and gathering information.
- vi. Technical – Technical discussion is ok, keep to the facts. Can talk about where we think it is getting into bedrock and about results and things on the maps.
- vii. K. McDaniel will let L. Evans and Jessica from County Health know about the health concerns of 3701 Viebahn.
- viii. K. McDaniel will contact Charlie Matthews to see if wants to do an interview on Friday.
- ix. K. McDaniel will contact R. Bruenig about the agreement and weekend.

5. Web Page Update

- a. K. McDaniel updated webpage last week.

6. Other Topics

- a. T. Beggs gave both State and County Health Departments specific updates on what we have done over the last year so they should be all set.

7. Next Meeting:

- a. December 6th – Open House, Newton Town Hall – 8:30 a.m.