Message

From: Maraldo, Dean [Maraldo.Dean@epa.gov]
Sent: 7/13/2018 4:07:49 PM
To: Shoven, Heather [shoven.heather@epa.gov]; Kuefler, Patrick [kuefler.patrick@epa.gov]; Burdett, Cheryl [burdett.cheryl@epa.gov]; Bahr, Ryan [bahr.ryan@epa.gov]; Mikalian, Charles [mikalian.charles@epa.gov]; Wilson, Jennifer [wilson.jenniferA@epa.gov]; Ross, Anthony [ross.anthony@epa.gov]
Subject: Downgradient-upgradient preliminary analysis
Attachments: Upgradient_downgradient_fields.pdf

Ex. 5 AC/AWP/DP

Between all three data sets, 0% of samples collected upgradient of crop fields have N above 10 mg/l. Depending on data set, between 59-71% of samples collected downgradient of crop fields are above 10 mg/l for N.

==========
Dean Maraldo
Water Enforcement & Compliance Assurance Branch
U.S. EPA - Region 5
77 West Jackson Blvd. (WC-15J)
Chicago, Illinois 60604
ph: (312) 353-2098
fax: (312) 385-5394
e-mail: maraldo.dean@epa.gov
http://www.epa.gov/enforcement/

From: Shoven, Heather
Sent: Thursday, July 12, 2018 5:53 PM
To: Kuefler, Patrick; Maraldo, Dean; Holst, Linda; Burdett, Cheryl; Bahr, Ryan; Mikalian, Charles; Wilson, Jennifer; Ross, Anthony
Cc: Klassman, Debra; Chabria, Monesh
Subject: RE: Juneau Talking Points

Thanks Pat and Dean! I accepted all of Pat's changes and placed his version into the attached Word document. Jenny, Cheryl and I then reviewed it and provided edits via track changes for Pat and the team to consider. Please see the attached OneDrive version for our suggestions. Thanks!

Best wishes,
Heather

Heather A. Shoven
Chief, Section 1 (Enforcement and Direct Implementation)

Ground Water and Drinking Water Branch
U.S. Environmental Protection Agency, Region 5
(312) 886-0153

From: Kuefler, Patrick
Sent: Thursday, July 12, 2018 4:40 PM
To: Maraldo, Dean <Maraldo.Dean@epa.gov>; Shoven, Heather <shoven.heather@epa.gov>; Holst, Linda <holst.linda@epa.gov>; Burdett, Cheryl <burdett.cheryl@epa.gov>; Bahr, Ryan <bahr.ryan@epa.gov>; Mikalian, Charles <mikalian.charles@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Ross, Anthony <ross.anthony@epa.gov>
Cc: Klassman, Debra <klassman.debra@epa.gov>; Chabria, Monesh <chabria.monesh@epa.gov>
Subject: RE: Juneau Talking Points

See my comments below. I think we will need to provide some general observations

From: Maraldo, Dean
Sent: Thursday, July 12, 2018 2:23 PM
To: Shoven, Heather <shoven.heather@epa.gov>; Holst, Linda <holst.linda@epa.gov>; Burdett, Cheryl <burdett.cheryl@epa.gov>; Bahr, Ryan <bahr.ryan@epa.gov>; Mikalian, Charles <mikalian.charles@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Ross, Anthony <ross.anthony@epa.gov>; Kuefler, Patrick <kuefler.patrick@epa.gov>
Cc: Klassman, Debra <klassman.debra@epa.gov>; Chabria, Monesh <chabria.monesh@epa.gov>
Subject: Juneau Talking Points

I'm done for the day but wanted to at least get a start on talking points. Most are taken from website language, but added some about EPA/WDNR interaction, regulatory authorities, next steps....

Juneau County Groundwater Screening Investigation

Talking Points:

- On April 30 through May 3, 2018, EPA sampled groundwater in the Town of Armenia, after receiving complaints of private drinking water well contamination.
- EPA collected groundwater samples at 41 temporary boring locations and 5 drinking water wells. The samples were analyzed for multiple parameters, including nutrients. Private well results have been provided to the homeowners. [EPA also collected private well samples from X13 homes in the area in October 2017. The results have been shared with the homeowners.]
- EPA used temporary or "point-in-time" groundwater sampling techniques with the goal of characterizing nature and extent of pollutants in groundwater. This information can be used to identify potential sources of groundwater pollutants and potential impacts to drinking water sources.
- The borings were located in a network that extended upgradient of the previously identified contaminated residential wells and potential sources.
- Samples were collected at two depths because???
- Preliminary analysis shows:
    - High concentrations of Nitrates in groundwater down gradient of fields
    - Low concentrations upgradient of fields
    - Contaminants to do not appear to be coming into the study area from upgradient
    - Of the pollutants analyzed, nitrate is the primary concern.

- EPA is in the process of analyzing the full results and will coordinate further with Wisconsin Department of Natural Resources to determine appropriate next steps.
- EPA and WDNR are reviewing regulatory authorities available at the state and federal levels to address the nitrate problem, ~~and regarding provision of alternate water to homes with nitrate-contaminated wells.~~
- EPA just released the raw data from the investigation. However, EPA is not far enough along in the data review and analysis process to discuss ~~any~~detailed results, findings or conclusions. EPA continues to analyze the results and plans to issue a final sampling~~investigation~~ report by mid-August.

==========

Dean Maraldo
Water Enforcement & Compliance Assurance Branch
U.S. EPA - Region 5
77 West Jackson Blvd. (WC-15J)
Chicago, Illinois 60604
ph: (312) 353-2098
fax: (312) 385-5394
e-mail: maraldo.dean@epa.gov
http://www.epa.gov/enforcement/

From: Shoven, Heather
Sent: Wednesday, July 11, 2018 2:48 PM
To: Holst, Linda; Burdett, Cheryl; Bahr, Ryan; Mikalian, Charles; Wilson, Jennifer; Ross, Anthony; Maraldo, Dean; Kuefler, Patrick; Poy, Thomas; Baltazar, Debbie; Balasa, Kate
Cc: Klassman, Debra; Chabria, Monesh
Subject: SDWA 1431 Information for Jim Payne: Pre-brief for Thursday Call with WDNR on Juneau County Data

Ex. 5 AC/AWP/DP

Ex. 5 AC/AWP/DP

Ex. 5 AC/AWP/DP