Message

From: Wirick, Holiday [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CB8297D55F314BDD8AE914EED7EF14E5-HWIRICK]
Sent: 5/8/2020 6:33:48 PM
To: Wax, Peter N. [pwax@nd.gov]
Subject: Funding question and a quick follow-up

Hi Pete, I just got a request from our team lead to poll our states. Does ND have funding to help outside entities (e.g. dischargers) with development of site specific criteria? Fargo just came to mind… My guess is that the answer is "no" but I thought I'd check.

Also, I just wanted to let you know that I spent some time researching your question about whether you also need the salmonids (or hippopotamuses) present if you assume all waters in the state have mussels. I didn't see anything in the guidance documents, but as I pointed out, this is my first 2013 ammonia WQC rodeo, so I'm asking the ammonia criteria lead at HQ for her thoughts and confirm that your revised equations are properly populated.

Your weekend plans of fishing, running with the pooches, and relaxing with your family on Mother's Day sound heavenly. Enjoy!

Holly Wirick
Water Quality Section
U.S. EPA – Region 8
303-312-6238

From: Wax, Peter N. <pwax@nd.gov>
Sent: Friday, May 8, 2020 12:12 PM
To: Wirick, Holiday <wirick.holiday@epa.gov>
Subject: RE: Ammonia Standard

Holly:

You are reading my mind. I plan to fish some today, run dogs tomorrow, eat cheese cake on Momma's day and not really think about work at all.

Pete

From: Wirick, Holiday
Sent: Friday, May 8, 2020 10:23 AM
To: Wax, Peter N. <pwax@nd.gov>
Subject: RE: Ammonia Standard

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Hi Pete, yes, all is well here in Colorado. I'm covid-free, flowers are blooming and we got in some cross country skiing in the mountains yesterday so I feel refreshed. I hope you and your family are healthy and well.

I will review your table to ensure that it is properly populated and will check in with the "big guns" at HQ to do a double check.

Have a nice weekend and stay safe!

Holly

From: Wax, Peter N. <pwax@nd.gov>
Sent: Friday, May 8, 2020 7:56 AM
To: Wirick, Holiday <wirick.holiday@epa.gov>
Subject: Ammonia Standard

Dear Holly:

Hope spring has sprung in Colorado and you are healthy and covid free. I am working from home.

STANDARDS: Working on Table 2 in ND's standards and I am a bit unsure of the proper equations for Ammonia. If I use the two included and assume all waters have mussels, do I need the salmonids present one and any additional equations based on pH of 7 and lower temperatures. If so, could you help me ensure that this table is populated correctly.

The table 2 with Blue is new the table 2 with Red is old. When I am sure of the equations, I will rewrite them larger in a different program but for now I just need to know they are correct as intended and inclusive.

Note that in the new table there is no site-specific criteria for Fargo on the Red River. With some upgrades they can make the new criteria. Upgrading will be expensive. Fargo is the largest and most politically powerful community in ND. While I hope not, there is a possibility that a new "site-specific criteria" will need to be calculated. At that point I will be leaning on for additional help.

Note, my work number (701-328-5268) rings at my home. Leave a message if I do not pick up - running to the office and back can take a couple hours and I will make a few trips a week.

Sincerely,

Pete

Peter N. Wax
Special Projects
Division of Water Quality

701.328.5268 • pwax@nd.gov • https://deq.nd.gov/

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