From: Pine Lake Wild Rice
To: Gunderson, Larry (MDA)
Cc: Peterson, Heidi (MDA); Wolf, Katie (MDA)
Subject: Re: MARL Connection
Date: Sunday, July 23, 2017 11:04:18 PM

Mr. Gunderson,

Thank you for the response. I have read through the draft and reviewed our farm on the map. We have a handful of fields that appear to be in sections listed as vulnerable. We do use fall applied Nitrogen, primarily in the form of coated/slow release urea or Anhydrous Ammonia following fall seeding. These applications are either done late in the fall or just prior to flooding following BMP's developed in conjunction with the Soil Science Department at the University of Minnesota. Due to the field infrastructure needed for our flooded growing conditions the applications are done inside of what I would refer to as a "closed" system making leaching very unlikely.

We will continue to have industry representation at the appropriate meetings and I greatly appreciate your helping me with the information below. If you would ever need any additional information that would help shed additional light on our unique production practices don't hesitate to contact me.

Again thank you for you time and assistance.

Peter Imle
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On Jul 21, 2017, at 3:36 PM, Gunderson, Larry (MDA) <larry.gunderson@state.mn.us> wrote:

Hi Peter, this link is to the draft Nitrogen Fertilizer Rule on Minnesota Department of Agriculture's website. - http://www.mda.state.mn.us/nfr

Click "Is my field in or out of a vulnerable groundwater area?" You will eventually get to a web viewer map that shows draft vulnerable groundwater areas. You can zoom in. If an area meets any one of these criteria, it shows up as vulnerable on the map:

<!--[if !supportLists]-->1) <!--[endif]-->Saturated Hydraulic Conductivity (Ksat) of the soil profile of greater than 1.4 inches per hour; or
<!--[if !supportLists]-->2) <!--[endif]-->Karst geology

<!--[if !supportLists]-->3) <!--[endif]-->Near surface bedrock

There's not much karst or near surface bedrock in the Gonvick, Gully Clearbrook area. If your area shows up as vulnerable, it likely indicates a coarse textured soil somewhere in the soil profile. Note that this is a draft rule. We're taking comments now and will revise the rule after the comment period, which ends August 25.

We'll hold meetings in Roseau, Hawley and Warren next week.

Larry

Larry Gunderson, Supervisor
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From: Peter Imle [mailto:pinelakewildrice@yahoo.com]
Sent: Wednesday, July 12, 2017 9:01 AM
To: Peterson, Heidi (MDA) <heidi.peterson@state.mn.us>
Cc: Gunderson, Larry (MDA) <larry.gunderson@state.mn.us>
Subject: RE: MARL Connection

Heidi,

Thank you very much for the reply and although I had prior commitments I will have people at the meeting today and also in St. Paul next week. I will also review the presentation on the link you provided to start getting myself up to speed.

As for visiting the farm I would be happy to have you and/or the class up anytime. Our class enjoyed seeing it as well and although it can seem pretty mundane for those of us that are here everyday it is a very different type of operation than what most are accustomed to.

Thank you again for the response and look forward to hear from Mr. Gunderson as well.

Peter Imle

From: Peterson, Heidi (MDA) [mailto:heidi.peterson@state.mn.us]
Sent: Wednesday, July 12, 2017 7:38 AM
To: Peter Imle <pinelakewildrice@yahoo.com>
Cc: Gunderson, Larry (MDA) <larry.gunderson@state.mn.us>

Subject: RE: MARL Connection

Hi Peter,
I am very glad you reached out to me. Although I am not the one to answer the question, I can direct you to the correct person. I will cc Larry Gunderson on this email so that he could answer your question.

Larry could you please confirm with me that you are the correct person to answer this question for Peter?

On a different note Peter, I would like to come by your farm sometime when I am up in your area to see your production! I have not been to a wild rice farm, after meeting you I put in a note to Eriks that we should add that to a tour.

Thank you!
Heidi

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From: Peter Imle [mailto:pinelakewildrice@yahoo.com]
Sent: Tuesday, July 11, 2017 2:22 PM
To: Peterson, Heidi (MDA) <heidi.peterson@state.mn.us>
Subject: MARL Connection

Dr. Peterson,

I hope that you remember me from your MARL meeting in Crookston earlier this spring. It was a pleasure for me to meet with all of you and I enjoyed the conversation. At that time you had passed along your contact information and I have run across an issue that I am hoping maybe you, or someone you know, could provide some technical help. I have been reading through the Water Resource Protection Requirements, more commonly referred to as the Nitrogen Fertilizer rules, that came out of this springs legislative session. Due to my growing potatoes I am aware of the

groundwater issues that have been raised particularly in the sand plains area of the state. What I am puzzled about and what I am hoping you could help me with is any technical information regarding the vulnerable groundwater designations in the northwest. I have not heard of any issues in our area and I would like to better understand the science behind the updated designations. This may be well outside your scope and if so my apologies, however, any help you could provide would be greatly appreciated.

I am hoping that I will have the opportunity to meet with your class again this winter during the Bemidji seminar and I thank you in advance for your time.

Sincerely,

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