

From: dane schumacher dane.schumacher@yahoo.com

Subject: Fw: BCRT Docs (FOIA) re AG Ext.

Date: July 31, 2015 at 2:59 PM

To: Robert Cross bobcross610@gmail.com, Emily Jones ejones@npca.org, Bob Allen bob@ozarker.org, Alice Andrews alice209ok@yahoo.com, Alan Nye osacnye@gmail.com, Hannah Chang hchang@earthjustice.org, Jonathan J. Smith jjsmith@earthjustice.org

Cc: Gordon Watkins gwatkins@ritternet.com, Jack Stewart jampack1@mac.com, Marti Olesen molesen12@gmail.com, Marianne Engelman Lado mengelmanlado@earthjustice.org

DS

BCRET's dual role in monitoring/assessing impacts and working with Jason and ADEQ to identify the best approach in effectively implementing is troubling to me. One On Friday, July 31, 2015 11:58 AM, dane schumacher <dane.schumacher@yahoo.com> wrote:

JoAnn:

Please find attached documents related to the BCRT with regard to the role of Ag Extension.

Barbara Batiste

From: Karl Vandevender <kvandevender@uaex.edu>
Sent: Friday, September 06, 2013 12:30 PM
To: Adam Willis; Jason Henson
Cc: Daniels, Mike; Andrew Sharpley
Subject: Now that C&H workplan funded.
Attachments: 2009 PI Teaching Calculator 5_21_10.xlsx, C&H all fields what if ARNMP ver 06252013.xlsm

Adam, Jason,

Now that the project has been funded and the money should start flowing soon (Oct 1 I think) we need to get started on some predatory background work related to the solids separation and adjustments to the farm's permitted plan.

Adam, you expressed an interest in getting more familiar and comfortable with the PI and planning process. Attached is a current version of the planning tool used in AR. Also attached is a PI calculator that is not much good as a planning tool but does provide a clear view of how the PI is calculated and works. An explanation of the PI with examples can be found at http://www.uaex.edu/Other_Areas/publications/PDF/MP487.pdf.

After you take a quick look at this material if you'd like to sit down with me so I can answer questions I'll be happy to do so. Thursday or Friday of next week are currently open for me.

Jason, if you'd like to review the attachments and join Adam and I if the we get together to discuss the PI and planning you are more than welcome as the plan is for your farm and needs to reflect how you want to manage it. It is also your decision on how detailed you want to be with the workings of the PI and planning process. I'll work with you at the level you wish.

Jason, Adam, you will note that with the attached planning tool I've utilized info from the current plan and some "guesstimations" on manure concentrations to start getting a feel for the potential impacts of incorporating a solids separation system. My first two take home messages are P extraction from the manure will allow for N based applications, and may not meet crop P needs. This raises questions regarding how much P extraction is desirable to meet both N and P needs without over applying P. I'd hate to solve one problem and create another.

Jason, I also think the I should visit with you regarding the solids separation options and how to approach exploring the options that you think will address your needs and preferences. As I tried to indicate there are several options and I'd suggest the need to be careful in selecting among them due to practical, economic, permit, and public perception issues. For these discussions I's suggest as small a group as possible.

Thursday and Friday to come for a visit for discussions. I can also bring a few

As I've indicated I'm open this coming Thursday and Friday to come for a visit for experimental set-up and supplies so that you can see firsthand the interactions between your swine manure and the chemical I'm leaning toward. Again your call.

Below you will find my contact info. I normally have my office phone forwarded to my cell number. I also tend to have my cell with me and on all the time. The exception being on Sunday and Saturday. Feel free to share this info with Richard and Philip and contact me as needed.

Let me know a good time for me to visit and have a good week end.

Karl