

Glen Geurts

From: David Casper <DCasper@Badgerlabs.com>
Sent: Wednesday, January 20, 2016 9:39 AM
To: glen.geurts@hvmsd.org
Subject: Potential for project

Glen: Here is a portion of the email we received regarding this project. I have sent you only the portions with that explain the basic project, not the business parts. Greg Olson's contact info is at the bottom. The UW professor involved in Francisco J. Arriaga, Assistant Professor, Extension Soil Scientist, Depart of Soil Science Madison (608) 263-3913 email farriaga@wisc.edu

"I appreciate you taking the time to talk to me this morning. Below is a synopsis of what we are doing and what we are asking of you.

The study would be to look at the field application of Flue Gas Desulfurization (FGD) gypsum's effect on the loss of dissolved reactive and total P from tiles on ag land. Sand County Foundation (SCF) in partnership with WeEnergies, EPRI, Gypsoil, Milwaukee Metropolitan Sewage District (MMSD), and UW-Madison Soils are currently running a study to look at the effect of field applications of FGD gypsum effects on surface runoff P losses from ag land. The proposed tile sites will be in the Campbellsport/West Bend area, like the existing project.

The tile study will have 2 to 3 study sites. Each with a control and treatment set up. SCF and our partners are going after a Conservation Innovation Grant (CIG) for this study. The CIG partnership currently includes SCF, MMSD, WeEnergies, Montgomery and Associates, UW-Madison Soils, and Veolia.

Based on the above mentioned conditions testing based on us bringing 104 to 156 samples per year for the next 3 years.

Soil samples – Would be collected and delivered to the lab by SCF. A total of 120 (3 sites) or 80 (2 sites) samples would need to be processed over three years. All soil samples would need to have Brey1, Ca/Mg, and Sulfur testing done on them. In the first year, a pre-FGD application soil sampling would be done, followed by a post sampling. For a total of 60 (3 sites) or 40 (2 sites) samples to be tested in the first year. The following two years would have 30 (3 sites) or 20 (2 sites) samples taken each year that would need to be tested."

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Glen Geurts

From: David Casper <DCasper@Badgerlabs.com>
Sent: Wednesday, January 27, 2016 4:16 PM
To: Glen Geurts
Subject: RE: Sand County Foundation Study

Glen:

Thanks for the great news, and your efforts to get us to this point. I will for sure try to be at that meeting. It would be nice to be able to tell the Commission about an alliance in such a study at the commission meeting later that day.

Dave Casper

From: Glen Geurts [<mailto:glen.geurts@hvmsd.org>]
Sent: Wednesday, January 27, 2016 11:57 AM
To: David Casper
Subject: Sand County Foundation Study

Dave;

I spoke with Greg Olson, Sand County Foundation, this morning concerning the FGD gypsum effects study underway in the Campbellsport area. That study has been ongoing since 2014, and they are looking to expand the study to other areas with differing soil types.

We are scheduling a meeting at Heart of the Valley for Tuesday, February 9, 2016 at 1:00 p.m. to discuss the program and other aspects of soil and water monitoring from agricultural fields.

You are welcome to attend if your schedule allows.

I am also inviting the Outagamie County Land Conservation Department, and Greg Olson will be inviting other parties involved and/or interested in the studies and programs.

Glen

Glen Geurts

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Glen Geurts

From: Greg Olson <golson@sandcounty.net>
Sent: Friday, January 29, 2016 8:31 AM
To: Glen Geurts
Subject: RE: February Meeting

Glen,

Thanks for the info and the meeting reminder.

As of right now, I would be the only person coming from the FGD research side to the meeting on the 9th. I brought the meeting to the attention of Dr. Francisco Arriaga at UW-Madison (Primary Researcher on the FGD work in WI), Ken Ladwig at the Electric Power Research Institute (EPRI is the overall manager of the research being done in the Midwest on FGD), and my supervisor, Joseph Britt (Agricultural Incentives Program at Sand County Foundation). I have not heard back if any of these or other designated representatives can attend. Will keep you posted if that changes.

I think that having the folks you listed at the meeting is a great idea. I always try to include the County Land and Water Conservation Departments involved in or, at the very least, aware of our endeavors in their respective areas. In fact, I am currently housed in the USDA Service Center in Fond du Lac with NRCS and Fond du Lac County LWCD because of our extensive work in the area. They are an invaluable partners to work with.

I look forward to the meeting on the 9th.

Thanks,



Greg Olson

Milwaukee River Projects Director

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From: Glen Geurts [mailto:glen.geurts@hvmsd.org]
Sent: Wednesday, January 27, 2016 1:42 PM
To: golson@sandcounty.net
Subject: February Meeting

Greg;

I enjoyed talking with you today about the study you are involved with that is looking at the FGD gypsum effects on surface runoff P losses from ag land.

The Heart of the Valley – MSD is part of the Lower Fox River TMDL area which has significant proposed reductions in P discharge limits. Therefore, the District is very much interested in any programs, study data, or other information which is available, that more clearly shows what happens to P on ag lands, or that could aid the District in dealing with its discharge issues.

The Heart of the Valley MSD's agricultural lands could be available for participation in your study program if that is deemed beneficial. That possibility can be discussed at a meeting between all involved parties.

I have scheduled a meeting for Tuesday, February 9, 2016 at the Heart of the Valley District offices, at 1:00 p.m. I invite you, and others involved with the study program, to attend to exchange ideas and discuss all topics relevant to these issues. Please let me know if you are attending, and if others from the study project will be attending.

I hope to have the Heart of the Valley – MSD Commission President, and members of the Outagamie County Land Conservation Office in attendance.

Thank you.

Glen

Glen Geurts

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