

From: Natasha Rose Goss <natasha.goss@Colorado.EDU>
Subject: **FW: Sustainable CU Grant: Compost Tea Brewing Injection System**
Date: November 28, 2011 3:16:37 PM MST
To: "Natasha Rose Goss" <natasha.goss@Colorado.EDU>, "Tania Tauer" <ttauer@gmail.com>, <christopher.j.hamilton@colorado.edu>, <Genevieve.Dabrowski@colorado.edu>, <Jessica.hatz@colorado.edu>, <shane.grigsby@colorado.edu>, <westveer@colorado.edu>, <Allison.Hart@colorado.edu>, <amy.meyer@colorado.edu>, <dan.omasta@gmail.com>, <dkelly@colorado.edu>, <dave.newport@colorado.edu>, <kayla.schick@colorado.edu>, <marianne.martin@colorado.edu>, <m.rsellinger@yahoo.com>, <rodrigo.gonzalez@colorado.edu>, <sarah.haynes@colorado.edu>, <steven.kluck@colorado.edu>, <Alana.Wilson@Colorado.EDU>, <joseph.wharry@gmail.com>, <Jonathan.Prins@colorado.edu>, <willy.stewart111@gmail.com>, <hayley.dixon@colorado.edu>, <bsmithard@gmail.com>, <ecenter@colorado.edu>, "Mitch Layden" <mlayden1@gmail.com>

Hi E-Board,

Here are Ryan's responses to our questions regarding the Compost Tea Brewing Injection System.

Natasha

From: Ryan Heiland [<mailto:Heiland@Colorado.EDU>]
Sent: Monday, November 21, 2011 12:56 PM
To: Natasha Rose Goss
Cc: Donald S Inglis
Subject: RE: Sustainable CU Grant: Compost Tea Brewing Injection System

Natasha,

This is great news!! See my answers to your questions in red below. I hope this is the kind of information you need for the second reading. If not please don't hesitate to contact me for more information!

Thanks
Ryan

From: Natasha Rose Goss [<mailto:natasha.goss@Colorado.EDU>]
Sent: Tuesday, November 15, 2011 10:28 PM
To: Ryan Heiland
Subject: Sustainable CU Grant: Compost Tea Brewing Injection System

Hi Ryan,

Congratulations! Your Sustainable CU grant was approved at first reading. Before reaching a second reading, however, the Board would like an addendum consisting of written responses to the questions below. The Board unanimously approved the following motion, which includes the questions:

Motion to approve the Compost Tea Brewing Injection System on first reading with the provision that the following questions must be addressed in a written addendum before second reading:

Why will this brewing system not be built on top of a previous system as occurred on main campus? **This system is to be installed at the brand new Williams Village Raw Water pump**

station. This project is a large capital construction project that is nearing the final stages of construction. Until this project Williams Village was irrigated solely with domestic water, there was no pump station or any type of injection system at that location. It is not legal to do injections into domestically fed irrigation systems, therefore there wasn't any existing infrastructure to take advantage of. The previous systems on main campus utilized some parts from a previous injection system which helped out with electrical and other portions of the job. How does this compost tea system support the campus IPM plan? As you may or may not know the Environmental Center along with Facilities Management and Housing worked together as part of a Turf Taskforce. During that process it was identified that Compost Tea applications could help out with our soil microbial life. During the exploration of this idea we had taken a lot of Bio-Assay soil tests, these tests actually showed that the work our Turf Management team had been doing for years had already made great progress at increasing microbial life in our soil. This system helps to augment our work and help mother nature increase our soil health which in turns helps to promote a better growing medium for our landscape plants. I have attached a couple of links to our blog in which I describe in more details the benefits of this system as part of our overall Turf Management plan.

<http://cuoutdoorservices.blogspot.com/2011/02/compost-tea.html>

<http://cuoutdoorservices.blogspot.com/2011/05/soil-food-web.html>

What measurable benchmarks are present between the beginning of installation and the planned first injection, and when will these benchmarks be reached? Once I have received final approval from yourself to move forward with this project I will be spending about a month or so procuring all the parts needed as well as allowing the electrical contractor to move forward on the electrical work. I could send you notifications of when those parts have been procured and when we begin the installation process. Things will go much smoother this time since we have learned all the ups and downs of the installation from the previous systems on main campus. Hindsight is a good thing☺ Other than that I'm not sure what other bench marks will be available.

It is certainly fine (in fact, encouraged) to modify the submitted proposal to better address these questions, and while we would prefer an answer by the week after Thanksgiving Break, extensions are possible if needed data cannot be gathered before that time. Please contact me if you have any questions.

Sincerely,
Natasha Goss

Chair, CU Environmental Board
Undergraduate Lead, Pre-Professor Program
Research Assistant, Niwot Ridge LTER
(303) 702-1583