

From: [Jason Fuller](#)
To: [Allan, Majid](#)
Cc: [Betsy Powers](#)
Subject: Fw: Summary info needed for Canal Road rezoning and CUP (11789 - CUP 2550 Carbon Cycle)
Date: Wednesday, March 22, 2023 7:52:18 AM
Attachments: [Carbon Cycle Consultants Plan Approval.pdf](#)
[220927 r CU2021-90-91 Approval - Carbon Cycle - Issued.pdf](#)
[221014 r Tuggle basins in substantial compliance.pdf](#)
[220517 r piaget Pump Lagoon under NMP.pdf](#)

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Hello all,

We purchased this existing manure compost site at 464 Canal as an effort to truly solve the increasing manure management issues that surround today's growing agricultural needs.

While the Anerobic Digester facilities help to serve a high demand energy market the waste products that pass through the digesters still are targeted to be applied to agricultural lands. Due to the relatively low value but yet high cost of transportation to move those products they have not found to be desirable in the marketplace. But, through a proper understanding of the biological nature of those products we have proven to not only add value to those products, with proper decomposing we have substantially less volume of product to handle as we return those products in their now improved and plant available state achieved through the composting process. Because of this, in the last 13 years I personally have seen growers that have utilized these composted products not only reduce their reliance on costly and ineffective commercial fertilizers but also increased their yield and quality of their production. In addition, through composting we eliminate the land application of raw manure and any subsequent risks associated with manure application like run-off events, spills and ground water contamination completely! Because of these multiple benefits, the profitability of these growers has increased!

We'd be using this site to finish the composting process to stabilize the volatile nutrients and also could make custom blends by adding minerals if desired. We plan to add even more value by granulating the blends which would add a high degree of convenience for clients by allowing them to use their planting equipment to apply the product. This would also allow for a broader marketing opportunity as now in this granulated form the product could be sold to other agricultural coops or retailers. In this granulated form the product could be affordably shipped longer distances by trucks or even potentially be shipped by rail accessing markets much farther away since there is a spur and loading dock in Waterloo 3 miles away.

An example of a custom blend would be Diamond T Ag's Living Carbon:

Powder blend :



Living Carbon in granulated form:



While we certainly recognize the proximity of this site to the Marshall community, this site is actually quite far from town being about a mile away and surrounded by trees on 3 sides. We will have truck traffic to move product and at times may even have some site tours as we look to highlight some of the automation features we promote and to demonstrate their operation.

We feel we'd be an asset to the community especially since our aerobic composting methods would naturally limit the amount of unfavorable odors normally associated with manure handling. Aerobic composting produces only water vapor and a small amount of carbon dioxide both of which are odorless. The odor associated with manure are is generated from anaerobic decomposition which is what we are looking to avoid.

This site will also serve as our learning center as we look to educate and be the example as to

what some of the more economical and more beneficial solutions are to not only the manure management industry but to anyone with a carbon based waste product like landfill operators looking to find better solutions.

Thank you,
Jason Fuller
Carbon Cycle Consulting LLC
608.370.4926

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Begin forwarded message:

On Monday, March 20, 2023, 5:01 PM, Powers, Betsy <BPowers@scsengineers.com> wrote:

Hi Majid,
On behalf of Jason, I'm providing the summary of approvals received to date.
Please reach out to us if you have questions or need anything further.

Issuing Agency	Type of Approval	Date of Approval	Comments
WDNR	Plan of Operation Approval for Source-separated Compostable Materials, for a composting facility greater than 5,000 cubic yards	June 17, 2022	See attached "Carbon Cycle Consultants Plan Approval.pdf" document. There are two more steps to be taken to obtain the operating license for the facility: <ol style="list-style-type: none">1. Provide proof of Owner Financial Responsibility (OFR) to WDNR. Jason is working with Compeer on this.2. Complete the license application form for submittal to WDNR. This will be submitted upon establishment of the

			OFR.
Dane County Land & Water Resources Department	Certificate of Use	September 27, 2022	See "220927_r_CU2021-90-91 Approval - Carbon Cycle – Issued.pdf" document.
Dane County Zoning Department	Rezoning and Conditional Use Permit	In process.	Zoning and Land Regulation Committee has extended the review of rezoning petition 11789 and CUP 2250 until March 28 th . Note that in an email dated October 14, 2022, Dane County Land & Water Resources concluded that the existing storm water basins at the site appear to be substantially in compliance with the previously approved storm water plan (see "221014_r_Tuggle_basins in substantial compliance.pdf" document).
WDNR	Wastewater Permit	N/A at this point.	<ul style="list-style-type: none"> We have been in discussions with WDNR staff for a long time regarding what permit would be appropriate for this facility. WDNR has responded that Dan Werner will be the WDNR point of contact. No additional information or permit applications were requested to be submitted from the wastewater staff or Dan Werner. The most recent correspondence we have from WDNR regarding this was from an email from Heidi Schmitt Marquez (WDNR wastewater field supervisor) dated 5/11/2022 (see attached), in which she indicated that the program would not categorize the contents of the lagoon as wastewater, but that it rather fits the

			<p>definition of agricultural storm water, which is regulated under NR 151 and through County ordinances for farms that are not required to have a WPDES permit through WDNR. Amy Piaget (County Conservationist) subsequently approved the one-time landspreading of the lagoon contents under the Nutrient Management Plan prepared for the property in order for us to evaluate the condition of the lagoon.</p>
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