



April 25, 2022

Mr. Brian Davis, AICP
Planning Manager
Louisville Metro Planning & Design Services
Department of Develop Louisville
Louisville Forward
444 S. Fifth Street, Suite 300
Louisville, KY 40202

Dear Mr. Davis:

Sub: General Waiver Application for anaerobic treatment of effluent water at
BioProducts, LLC facility at 1401 Locust Street

BioProducts, LLC has secured exclusive license of technologies from University of Louisville that has shown great potential to add value, improve sustainability, and create new jobs using whole stillage from bourbon distilleries. The company has been working with multiple distilleries including the ones in metro Louisville to process their stillage stream in a sustainable manner. Anaerobic treatment of effluent water resulting from the stillage processing a part of our process approach. Our facility is located within 200 ft of residences – but our facility predates the apartment buildings. Hence we are requesting a waiver of the Section LDC 2.6.1.A.1 – which places a moratorium on the use of anaerobic bio-digesters within the jurisdiction of the metro council.

Please review the enclosed waiver application and the attached documents. In addition, I am including a Table (Table 1) showing a comparison between the high solids bio-digestion and the anaerobic treatment of effluent water we are proposing to do at the plant.

I request you to put forward our waiver application for review by the Council. If you need any further information, please let me know. Thanks.

Sincerely,

Jagannadh Satyavolu, Ph.D.
Founder and CEO
J_Satyavolu@BioProductsLLC.com
502 654-0738

Encl:

Table 1 – comparing bio-digestion and anaerobic water treatment
General waiver application
Land development Report
3-copies of site aerial view
1-set of mail label sheets
1-copy of mail list
A check (# 1277) for \$225 towards application fee

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922 Willow Pointe Drive, Louisville, KY 40299-6604

22-WAIVER-0069



Table 1. Anaerobic Bio-Digestion vs BioProducts' Anaerobic Water Treatment

		<i>Anaerobic Biodigestion</i>	<i>Anaerobic Water Treatment</i>
1	Footprint	Large	Small – very contained
2	Setting	Large area requiring truck loads of odorous waste – food, municipal, and other	Aesthetic – suitable for a metro area
3	Retention time	>25 days	< 7 hours
4	Starting material	Huge volumes of odorous waste	Plant water
5	Main product	Biogas and odorous sludge (digestate)	Treated water – biogas is the bi-product
6	Increase in traffic	Yes	No
7	Odor	Yes	No
8	Noise	Yes	No

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