



PHASE 3 RENEWABLES
Intelligent Options for Waste, Energy and Revenue

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LABORATORY ANALYSIS SERVICES

Phase 3 Renewables offers laboratory analysis services specifically tailored to testing the inputs (feedstock) and outputs (digestate) of anaerobic digester systems.

Whether you are an existing owner of an anaerobic digester or planning to implement a digester in the near future, these tests will provide essential information you need to maximize biogas production and assist your operation with its nutrient management plan.

Existing Digester Owners

Is your digester operating at top performance? Considering use of co-feeds?

Phase 3 Renewables can help determine the true biogas production potential of your feedstocks and assess the biochemistry in your digester.

You can discuss the test results with your system provider and then make indicated improvements to your feeding regimen, agitation schedule, and temperature management. The results can also tell you if additives are required to obtain a proper acid balance, or to suppress formation of dissolved H₂S, both of which can limit methane production. A one-time test can provide good information; a series of monthly tests will help you understand more.

It only takes a small increase in biogas productivity to make regular tests pay for themselves.

Future Digester Owners

Do you need help determining the specification of your digester and/or want to increase your potential of receiving USDA grant funding?

The test results can be used to determine the right retention time for your feedstocks, critical to proper sizing of the digester. The results can also indicate whether you would benefit from recirculation of a portion of the digested manure to increase the biogas to manure ratio.

If you are planning to apply for a USDA grant for an anaerobic digester project, these tests provide critical information required in the application. Top scoring applications include a technical feasibility study with test data to support the projected biogas productivity from your feedstocks.

CONTACT US TO DISCUSS YOUR TESTING NEEDS!

We've attached a price list of available tests along with our recommendations for testing the feedstock and the digestate.

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