



Date: 1/18/16

COMPANY INFORMATION

Company Name: Northern Biogas	
Phone: 620-309-1015	Web Site: http:www.northernbiogas.com
Address: 1595 Allouez Ave. Suite 3	City: Green Bay
State: WI	Zip Code: 54311

BUSINESS CONTACT

Name: Guy Selsmeyer
Phone: Same as above
Email:
Address: Same as above
City:
State:
Zip Code:

TECHNICAL CONTACT

Name: Same as Business Contact
Phone:
Email:
Address:
City:
State:
Zip Code:

BUSINESS HISTORY

How long have you been in business? 6 years

Are you part of a larger company? Yes No

Did you exist as another company before this company was formed? Yes No

If so, what was that company's name?

Number of employees? Three

What is your business structure?

What types of insurance and or surety do you provide?

References. Please provide customers or colleagues with whom we can discuss your business and performance.

Please include a separate list with company name, location, contact name and contact information.

Green Valley Dairy
Dairy Dreams
Pagel's Ponderosa
Rock Creek Digesters
Vir-Clar Farm

Describe your business service(s). *For example: consulting, development, engineering, equipment sales, finance, other.*

Consulting, development, engineering and equipment sales

Area or region of operation.

Upper Midwest

Does your company hold any patents or the rights to any patents? *Please identify.*

No

Do you manufacture equipment? Yes No *Please describe.*

Do you integrate equipment manufactured by others? Yes No

If you integrate, please list the names of the companies you represent.

Caterpillar

How do you answer potential customer's question about financial strength of your company?

N/A

Do you offer technical/service support? **Yes** **No** *If so, what methods?*

System design and operations

Do you offer design services? **Yes** **No** *Please describe.*

System design and operations

Do you offer financing? **Yes** **No** *If so, what terms?*

Are you a full stop shop? *Design to construction to operate?* **Yes** **No** *Please describe.*

Yes, design to construct, operate possible

Do you have preferred partners? **Yes** **No**

If so, please list and provide contact information/identify partners by name.

Do you have any third-party verification/research that has been done on this technology? Yes No

If so, please describe.

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Do you provide a performance guarantee? Yes No

If so, what are you guaranteeing? For example: up time, methane production, biogas production, parasitic load, throughput, O&M cost, percent recovery, other.

Specific to the project/client requirements

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Are there any other aspects of your business that you feel should be included in this document?

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INITIAL TECHNOLOGY OVERVIEW

This information is to guide in the development of a more specific and detailed Technology Information Request. Please answer the following questions for each Technology or Service Provided.

What is the name of the technology or service?

Anaerobic digestion, power generation

What unit process is the technology used in?

For example: initial collection/transfer manure storage, energy recovery, primary/coarse solids recovery, advanced suspended/fine solids recovery, drying, struvite production, nitrification denitrification, ammonia stripping, algae, vermi composting, membrane filtration, evaporation, other.

Anaerobic digestion, Solid liquid separation, Electrical generation

How many systems have you installed on dairy farms or other livestock operations?

Five

Size of farm(s)?

2,000 to 4,600 cows

Location of farm(s)?

Wisconsin & Idaho

What's the smallest/largest farm for your system?

2,000/4,600

Input material description/characteristics:

For example: raw manure, digestate, screened digestate, suitable non-farm feedstocks, other.

Raw manure and non-farm feedstocks

Does the technology treat the full manure stream for a farm or a fraction of the stream?

Full stream

Do you consider this a mature system or ongoing farm development?

Yes, mature system

Any weather constraints? Yes No *Please describe.*

Any bedding constraints? Yes No *Please describe.*

Sand separation, sand free manure

Is this process scalable and to what extent (top and bottom limits)? Yes No *Please describe.*

Do you have a known scaling factor? Yes No *Please describe.*

2000 cows and up

Input and output of your unit/system – do you have a mass balance analysis? Yes No *Please describe.*

Do you consider this technology part of a larger system that you provide? Yes No *Please describe.*

Has your technology been accepted by the NRCS? Yes No *Please describe.*

Yes, general anaerobic digestion standard

Would you be willing to provide information for a technical review? Yes No

Would you be willing to respond to a Request for Quotation (RFQ) on a generic project for comparison of your technology against other technologies in the same unit process? Yes No

Are there any other facts about this technology that you feel should be included in this document?