



COMPANY INFORMATION

Date: August 30, 2017

Company:	BAUER GmbH/Bauer North America/FAN		
Phone:	+43 3142 200-0	Web Site:	http://www.bauer-at.com/
Address:	Kowaldstraße 2	City:	Voitsberg
State:	Austria	Zip Code:	A-8570

BUSINESS CONTACT

TECHNICAL CONTACT

Name:	Jim DeWitt	Name:	Same as Business Contact
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Address:	107 Eastwood Rd/PO Box 8943	Address:	
City:	Michigan City	City:	
State:	IN	State:	
Zip Code:	46360	Zip Code:	

BUSINESS HISTORY

How long have you been in business? Since 1930

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?*

FAN Separator was a separate entity previously

Number of employees? Hundreds

What is your business structure? Corporation

What types of insurance and or surety do you provide?

Performance guarantees

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

Equipment sales

Describe your area or region of operation.

Global

Does your company hold any patents or the rights to any patents? Yes No *If yes, please describe.*

Several patents

Do you manufacture equipment? Yes No *If yes, please describe.*

Do you integrate equipment manufactured by others? Yes No

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

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

Size and history in the dairy industry

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

Some technical support, project by project basis.

BRU requires engineering design and approval from Austria

Do you offer design services? Yes No *If yes, please describe.*

BRU requires engineering design and approval from Austria

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

Are you a full stop shop? *Design to construction to operate?* Yes No *If so, please describe.*

Do you have preferred partners? Yes No *If so, please list and provide contact information/identify partners by name.*

Distributor network for limited design, sales, and construction support

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

If so, please describe.

Several third-party evaluations of the technology have been completed, primarily in Europe

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. Please describe.

Yes, guarantees are technology/application specific. – Common throughput, dry matter, pathogen kill, etc.

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

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 you provide?

Bauer - Irrigation equipment, manure pumps & agitators, screw press separators and manure application equipment

FAN - Screw press, manure pumps & agitators, bedding recovery unit, dissolved air floatation, centrifugal classifier separator

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.

Bauer equipment is used in conveyance, primary separation and application of manure

The combination of Bauer & FAN technologies can create an entire solids and phosphorus recovery system.

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

10,000+ in North America

Size of farm(s)?

All sizes

Location of farm(s)?

Global

What's the smallest and largest farm using your system?

<50 cows/>10,000 cows

Input material description and characteristics: *For example: raw manure, digestate, screened digestate, suitable non-farm feedstocks, other.*

Raw manure or digestate

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

Full stream, modular design allows for redundancy

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

Mature

Any weather constraints? Yes No *If so, please describe.*

Cold weather protection

Any bedding constraints? Yes No *If so, please describe.*

Sand bedding can cause premature wear, sand separation should be used to limit damage to separator and application equipment

Is this process scalable and to what extent (top and bottom limits)? Yes No *If so, please describe.*

Yes scalable, extents not known

Do you have a known scaling factor? Yes No *If so, please describe.*

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

Mass balance available for specific technologies

Do you consider this technology part of a larger system that you provide? Yes No *If so, please describe.*

Yes, considered part of manure management system, but also sell standalone technologies

Has your technology been accepted by the NRCS? Yes No *If so, please describe.*

Unknown, thought to be fundable under EQIP

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

REFERENCES

Please provide customers or colleagues with whom we can discuss your business and performance. Please include a list with company name, location, contact name and contact information below.

Reference 1

Company Name:	Available on specific request
Company Location:	
Contact Name:	
Contact Information:	

Reference 2

Company Name:	
Company Location:	
Contact Name:	
Contact Information:	

Reference 3

Company Name:	
Company Location:	
Contact Name:	
Contact Information:	

Reference 4

Company Name:	
Company Location:	
Contact Name:	
Contact Information:	

Are there any other facts about this technology that you feel should be included in this document? *If so, please describe below.*

Phosphorus recovery separation trial was not able to achieve 90% phosphorus recovery for less than \$0.10 per gal.